THE CHEMIST AND DRUGGIST

A Weekly Journal of Pharmacy, the Drug, Chemical and Allied Trades

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News of the Week

Key Industry Duty Exemption

The Treasury have made an Order under Section 10 (5) of the Finance Act, 1926, exempting Acid Dipropyl Malonic from Key Industry Duty from February 26 till December 31, 1935.

Import Duties Advisory Committee Notices

The Import Duties Advisory Committee give notice of the following applications:—

For the addition to the Free List of vegetable fibres of the following varieties, namely, African piassava (*Raphia vinifera*), Bahia piassava (*Attalea funifera*), Para piassava (*Leopoldina piassava*), Mexican fibre or istle (*Agave heteracantha*), Madagascar fibre (*Dictyosperma fibrosum*) and gumati or gomuti fibre (*Arenga saccharifera*), not further dressed after scutching or decorticating.

For drawback under Section 9 of the Finance Act, 1932, in respect of solid insoluble quebracho extract used in the manufacture of soluble quebracho extract, whether or not mixed with other tanning extracts.

Any representations which interested parties may desire to make in regard to these applications should be addressed in writing to the Secretary, Import Duties Advisory Committee, Caxton House (West Block), Tothill Street, Westminster, London, S.W.1, not later than March 14, 1935.

Inquests

An inquiry was held at Ipswich, recently, concerning the death of Mr. John Shellcross, chemist and druggist, who died in hospital on February 13. Evidence showed that he had been suffering from cholecystitis but had refused to see a doctor, and that death was due to heart failure following toxæmia and shock. A verdict of "Death from natural causes" was given.

At Brighton, on February 12, an inquiry was held concerning the death of May Etheridge, formerly Duchess of Leinster, who, it appeared, had been in the habit of taking sleeping draughts. A medical witness estimated that Miss Etheridge had taken on this occasion forty times the correct dose. Mr. R. W. Robertson, chemist and druggist, pointed out that the liquid in the bottle had been half the strength of the prescription which was shown to the doctor by the coroner. Mr. Robertson said that the preparation, according to the prescription, was first dispensed in October 1934. He was not there at the time. It was dispensed undiluted. The first time he had anything to do with it was in November, when a gentleman requested that it should be made up half strength. He made up the prescription according to his order. The coroner said he thought everyone would agree with him in the conclusion that Miss Etheridge did not take her own life. "I feel satisfied," he added, "that she took an accidental dose of narcotic. No blame attaches to the chemist or anyone."

Birkenhead

The annual dance of the Birkenhead and Wirral Pharmacists' Association was held at the Birkenhead Town Hall on February 14. Considerable praise for the arrangements is due to the care with which a small committee, consisting of the president (Mr. Frank Snow) and Mrs. Snow, Mr. G. L. Hale (secretary) and Mrs. Hale, Mr. and Mrs. J. Waterworth and Mr. and Mrs. A. Williamson, carried out their work. The chief guests were the Mayor and Mayoress (Councillor and Mrs. A. W. Baker) and their daughter, Miss Phyllis Baker. Among the company were Dr. and Mrs. G. J. French, Dr. L. C. Moore, Dr. and Mrs. Capstaff, Mr. and Mrs. Peter Grant, Mr. Stephen Jones, Mr. and Mrs. C. H. Wright, Mr. and Mrs. W. G. Snow, Mr. and Mrs. H. Hirst, Mr. and Mrs. C. Fore, Mr. and Mrs. A. Male, Mr. and Mrs. J. Ambrose Lloyd, Mr.

H. C. Tristram (secretary of Wallasey Pharmacists' Association) and Mrs. Tristram, and representatives from wholesale houses. Mr. W. C. Pike acted as M.C., and during the evening

Photo] [*Cull*

SIGNING THE BIRKENHEAD MAYORAL RECORD BOOK

Left to right: Mrs. C. H. Wright, Mrs. F. Snow, Mrs. A. Williamson, Miss Baker, Mr. C. H. Wright, the Mayoress and the Mayor.

streamers and balloons were distributed to the dancers. During an interval a large box of chocolates was drawn for and presented to Mrs. Gray.

Bolton

Mr. G. R. Boyes, B.Sc., was the lecturer at a recent meeting of the Bolton and District Branch of the Pharmaceutical Society. The subject of his lecture (illustrated by lantern slides) was "The Clinical Messengers—Their Physiological Role and Their Chemical Nature." Mr. Boyes dealt with the chemical and pharmaceutical aspects of the subject, and referred to thyroxine and thyroid gland, the suprarenal gland, adrenaline and its relationship to ephedrine, the hormone of the suprarenal cortex, insulin, the biological assay of pituitrin, pitocin and pitressin, and the relationship of hormones to vitamins. The chairman was Mr. L. Clay. A vote of thanks to the lecturer was proposed by Mr. J. Lomax.

Bradford

Members of the Bradford and District Branch of the Pharmaceutical Society heard an address on January 31 from Mr. C. J. Dewhirst, B.Pharm. (Sandoz, Ltd.) on the developments of biochemical and biological research and its relationship to modern pharmacy. Mr. W. Fysh (chairman of the Branch) presided. Mr. Dewhirst went into detail in regard to the difficulties of research into biochemical products and their use against disease. He stressed particularly the value of these products in attacking disease at the source and operation in a preventive capacity. It was, he suggested, a natural consequence of the introduction of chemical and physical methods of control that the manufacturing chemists should, in the main, have taken over the preparation of such products. In biological products the manufacturing chemists were in a special position because of their extensive laboratories and research opportunities. In the same way, research was continually being carried out on vegetable drugs in an effort to determine the active constituents and, if possible, to improve on them. The chemist of the future, said Mr. Dewhirst, even though he took no actual hand in the preparation of these products, would be consulted more often by the doctor. It was essential that the chemist of the future should have some knowledge of anatomy and physiology, as he was likely to be called upon to answer questions where this knowledge was needed. Mr. Dewhirst answered several questions, and was accorded a hearty vote of thanks.

Bristol

The Committee of the Bristol and District Branch of the Pharmaceutical Society recently forwarded the following resolution for consideration by the Council:—"That the Bristol Branch of the Pharmaceutical Society of Great Britain is of the opinion that the interests of pharmacy would be more adequately served if territorial representation on the Council were instituted, and that the Council be urged to take whatever action is necessary to obtain the required amendment of the by-laws to make provision for such representation."

Croydon

The annual dinner and dance of the Croydon Branch of the Pharmaceutical Society and Croydon Pharmacists' Association was held at Croydon on February 13. Mr. R. S. Ridgley (chairman of the Branch) presided. Mr. John Keall (president of the Pharmaceutical Society) was the chief guest, and there were also present Mr. E. Skues (chairman of the South-West London Association), Mr. E. W. Foster (chairman of the Reigate, Redhill and District Pharmacists' Association) and Mr. Wallace Pring (secretary of the West Kent Pharmacists' Association). The chairman, proposing the toast of "The Pharmaceutical Society," made special reference to the Codex and suggested that it should be brought more forcibly to the attention of the medical profession. Mr. John Keall, responding, referred to the anxiously awaited report of the Poisons Board, but indicated that he was limited in expressing his personal opinions. Mr. E. Skues, proposing the toast of "The Local Branch and Association," commented upon the happy relations which existed between his hosts and the Association which he represented. Mr. T. A. Allcorn (president of the Association) humorously acknowledged this toast. The remaining toast, that of "The Guests," was proposed by Mr. Osmond Morris and replied to by Mr. Percy Sparks.

Grimsby

The annual dinner and dance of the Grimsby and District Pharmacists' Association was held at the Town Hall, Grimsby, on January 31. The function opened with the dinner, with Mr. Gordon Lock (president) in the chair. Those supporting the president included the Mayor and Mayoress, Lady Womersley, Councillor Ernest Haughton, Councillor A. H. Parker, the Chief Constable, Mr. John Hague (past-chairman of the National Pharmaceutical Union Executive), Dr. E. Hall Felton, Alderman J. Forrester, Mr. E. J. Chapman and Mr. R. C. Matthews (chairman of the Grimsby and District Chamber of Trade). The health of "The Visitors" was proposed by the chairman, who refered to the work of Mr. Eric Chapman, Mr. D. Appleby, Mr. John Hague and Mr. Charles Denning. The shops in Grimsby, said Mr. Lock, were some of the finest in the Midlands, and the shopkeepers were up to date. He appealed to the younger men in the craft to develop their personality. Grimsby chemists were a united body. The Mayor replied, and his reply was supported by Mr. John Hague. Mr. Hague said it had been a hard struggle to get the trade into its present condition. The Grimsby Association ranked high in the estimation of the N.P.U. Executive. Dr. Felton also replied to the toast. Some valuable prizes drawn for after the dinner were won by the following:—Mr. E. J. Chapman, Mrs. G. Cross, Mrs. Ward, Mrs. French, Mr. French, Miss Needham, Mrs. T. A. Parker and Miss Standaloft. Dancing followed the dinner; the M.C.s were Mr. Tom Parker and Mr. Rex Spynee.

Huddersfield

The annual whist drive and dance of the Huddersfield Branch of the Pharmaceutical Society was held on January 30. About 120 members and friends were present. Mr. Steel ably superintended the whist and supper arrangements. The dance programme, which included a cabaret, was arranged and directed by Messrs. Landu, Hardcastle and Bradshaw.

The monthly meeting of the Huddersfield Branch of the Pharmaceutical Society was held on February 7, Mr. Thomas in the chair. The chairman mentioned with deep regret the passing of Mrs. J. B. Wood, widow of the late Mr. J. B. Wood, a Huddersfield chemist. The secretary was asked to send a letter of sympathy on behalf of the Branch. As all the quotations for dried milk were not to hand, it was decided to discuss this subject fully at the next meeting. Designs for the label of the dried milk bag were submitted by Effective Publicity Services, who suggested that these designs might be used for a universal pack. Members decided that this be held over for future discussion. Mr. N. Lander was nominated as candidate for No. 3 (North-Eastern) Division in the forthcoming N.P.U. election. The secretary was asked to submit the candidate's name to all branches in this electoral division. It was

decided that the subject-matter of Mr. Hines's resolution be placed on the agenda of the next meeting.

Hull

We are informed that British Cod Liver Oil Producers (Hull), Ltd., has been organised by the trawler owners of Hull to collect, refine and distribute the high-grade cod-liver oil extracted at sea by the most up-to-date equipment on the fleet of modern long-distance trawlers operating from that port. A cod-liver oil refinery, which will be the last word in design and equipment, is now in course of erection on a site on Hedon Road, Hull, and there will shortly be available to the public, through the trade, a supply of British cod-liver oil of unexceptionable purity and vitamin potency. We understand that this new refinery will be in operation by June. An enterprise such as this, involving an investment in capital assets of over £60,000, should be of interest to the trade and the public.

Leeds

Hirst, Brooke & Hirst, Ltd., Sheepscar Works, inform us that owing to congestion on their telephones they have had to increase their lines to six, and to do this have had to take a new number. On and after March 1 the telephone number will be Leeds 31155.

A general meeting of the Leeds Branch of the National Pharmaceutical Union was held on February 12, Mr. H. Gilleghan in the chair. The address was given by Mr. J. Lancaster, who compared the conditions in pharmacy in this country with those in Canada and the United States. Mr. Lancaster is of the opinion that shops should be reorganised so as to have a highly efficient dispensing department kept separate from the rest of the shop. The "Out of Friends Scheme" was discussed and it was unanimously decided to adopt the scheme in Leeds. A vote of thanks to the speaker was proposed by the chairman, and seconded by Mr. N. N. Armitage.

At a meeting of the Leeds and District Branch of the Pharmaceutical Society, on February 14, Dr. Henson (Zoological Department of Leeds University) gave an interesting lecture. He dealt with the luminescence of the glow-worm and the fire-fly, explaining that this was an example of "cold light," there being no energy used as heat. For the benefit of the students, definitions were given of fluorescence, phosphorescence and chemi-luminescence. The constitution of hæmoglobin and oxy-hæmoglobin and of luciferin, present in all luminous animals, and the enzyme luciferose, were given. The luminescence of *Noctiluca*, jelly-fish, maggots, mayfly, deep-sea fish, molluscs, various bacteria and fungi, and of some beetles was carefully explained. A graph was drawn showing oxygen pressure and hæmoglobin concentration. The relationship of chlorophyll, carotin and tetra-pyrol to the colour of animals was detailed, also the luminosity of fats, gums, etc., at melting point when oxidised. The chairman (Mr. J. H. Gough) and the vice-chairman (Mr. J. F. Simon) joined in the discussion and contributed useful information. Mr. P. Dobson entertainingly proposed a vote of thanks to Dr. Henson; this was seconded by Mr. A. W. Lupton and was carried with enthusiasm.

London

We are informed that F. W. Woolworth & Co., Ltd., have commenced proceedings in the High Court against the Attorney-General and the Commissioners of Customs and Excise in relation to the Medicine Stamp Acts.

The first annual dinner and dance of the Middlesex Laboratory of Glandular Research, Ltd., was held at Anderton's Hotel, Fleet Street, London, E.C.4, on February 16. Eighty-one people sat down to the dinner, which was presided over by the managing director (Mr. A. N. Goldston). After the dinner a number of informal speeches were made and the company adjourned to the ballroom where, until midnight, a very happy social evening was spent.

We understand that Lord Horder has intimated his intention of being present with Lady Horder at the South-Eastern dinner, which is to be held on March 7. Among other guests expected are Sir Malcolm Delevingne, Professor Burn, Dr. and Mrs. Cullinan (Lord Horder's son-in-law and daughter), and Dr. Garrod (Reader in Bacteriology in the University of London), whose course on bacteriology at the South-Eastern post-graduate classes commences this week.

Nearly 300 buyers met under the auspices of the Buyers' Association of Great Britain at British Industries House, London, W.1, on February 12, to hear a lecture by Mr. Frank Chitham, director of Harrods, Ltd., who dealt first with the work of the Association and secondly with modern trends in retail distribution. The meeting was the first of a series which has been planned by the Economic Committee of the Association, and is designed to enable trade buyers to obtain the views of the authorities on various aspects of distribution.

The monthly carnival dance of the North London Pharmaceutical Association was held on February 7, the president (Mr. W. E. Swanston) and Mrs. Swanston receiving the guests. Dancing began at 7.30 p.m., and was under the direction of Mr. G. F. Weiss as M.C. and Messrs. Estlick, Tyrrell and Morton as stewards. Many novelties were again introduced, and each lady received a present. There was a record number of dancers. During the evening a telephone message from Mr. and Mrs. Herbert Skinner was received from Hull, where they were representing the Pharmaceutical Society at a dinner.

A meeting of the National Association of Women Pharmacists was held at 17 Bloomsbury Square, W.C.1, on February 13, Miss Hodgkinson in the chair. Mr. H. Berry (vice-dean of the College of the Pharmaceutical Society) gave an interesting and instructive lecture on "Hydrogen-Ion Concentration." Mr. Berry discussed the methods for measuring hydrogen-ion concentration. Of the colorimetric and electrometric methods, the latter, he said, is much more accurate. Knowledge of p_H has a bearing on pharmaceutical manufacture, as in the case of insulin extraction. A hearty vote of thanks to Mr. Berry was proposed by Miss Dennis Hayes and seconded by Miss Curry.

The annual whist drive of the Walthamstow Pharmaceutical Association in aid of the Benevolent Fund of the Pharmaceutical Society was held by special invitation at the house of Mr. W. Gray (president of the West Ham and Eastern District Branch of the Society) and Mrs. Gray on February 7. A very enjoyable evening was spent. Prizes were won by the following:—*Ladies*, (1) Miss Goodwin (secretary of the East Anglian Pricing Bureau), (2) Mrs. Dalton, (3) Mrs. Frost. *Gentlemen*, (1) Mr. G. F. Deeth, (2) Mr. W. Gray, (3) Mr. Desmond. The prizes were gracefully presented by Mrs. Gray. Mr. A. M. Brown, in a brief speech, thanked Mr. and Mrs. Gray for their hospitality. The sum of about £20 was realised for the Fund.

An application was made recently at the Industrial Court before Sir Harold Morris, K.C., on behalf of "C" licence holders, for the extension of the drivers' hours, similar to the extension recently granted in respect of the hours of "A" and "B" licensed vehicles. The principal object was to obtain an additional hour on two days of the week if this hour was required to meet the exigencies of week-end trade, holiday pressure or long country journeys. The application was made on behalf of the Associates' Committee of the British Road Federation. This organisation represented many national wholesale and retail associations. It was led by Mr. W. H. Kent, the secretary of the Federation of Grocers' Associations. Opposition to the application was voiced by Mr. Bevin, on behalf of the National Union of Shop Assistants, National Union of Distributive and Allied Workers, Transport Workers' Union and the National Union of Railwaymen. The proceedings, which were not reported, lasted two days. In due course a report will be published.

The Western Pharmacists' Association and Branch of the Pharmaceutical Society held one of its pleasant informal suppers at Stewart's Restaurant, Old Bond Street, W.1, on February 20, by way of introduction to an address by Mr. E. C. Evans on "First Aid and Chemical Warfare." Mr. Evans, who was a commandant in the British Red Cross Society during the recent war, adopted the following classification of lethal gases used:—

Tear Gases.—Benzyl bromide, zylol bromide, bromacetone, etc. (non-persistent).

Lung Irritants.—Chlorine, phosgene and (semi-persistent) chlorpicrin (non-persistent).

Blistering Gases.—Mustard (dichlor ethyl sulphide), Lewisite (fully persistent).

Sneezing Gases.—Arsenical compounds (semi-persistent).

Paralysants.—Prussic acid gas and sulphuretted hydrogen (non-persistent).

Mr. Evans dealt with his subject from the point of view of the civilian population. He outlined the characteristics of each class of gases, and indicated the remedial measures, local and general, which are applicable. Special attention was paid to mustard gas, this being, in Mr. Evans's view, the most difficult of any to remove from the system. To the gases mentioned he added carbon monoxide as likely to be encountered in daily life. The address concluded with practical suggestions for making houses or rooms gas-proof for a sufficient length of time. Fires, the lecturer said, should not be burnt in emergencies of the kind referred to.

Several questions were asked by members present, and it was interesting to find that the old gauze respirator soaked in a solution containing sodium carbonate and hyposulphite came in for a word of praise, though nothing was recommended as an antidote to mustard gas except hypochlorite solution or chlorine in some form. Mr. Evans was congratulated on his paper by Mr. W. B. Falding, Mr. G. W. Evans and others, and a cordial vote of thanks was proposed by Mr. W. E. D. Shirtliff. At the close of the meeting Mr. A. R. Melhuish, replying to a remark of the lecturer's on the absence of commissioned rank for pharmacists in the Services, said the Council had laboured at this question for twenty years in opposition to vested interests, and members might be assured that their councillors had the interests of the chemist and druggist at heart. A discussion that was to have followed on "More Profitable Dispensing" was postponed in order to allow adequate time for it.

As everyone knows, the West Ham and Eastern District Association of Pharmacists is one of the very "live" Metropolitan associations. When it formed a branch of the National Pharmaceutical Union among its members it narrowly missed being Branch No. 1; and on finding that it had only attained what racing circles call a place, it proceeded to make history by arranging a dinner under the auspices of the Branch. Since then it has initiated the custom of inviting candidates for election to the Pharmaceutical Society to address it, and, as one of the speakers pointed out at this year's annual dinner and dance, held at the Hotel Metropole, W.C.2, on February 14, it has raised in recent years the largest sum of any chemists' association for the Society's Benevolent Fund and the second largest average per member. This year the energetic secretary (Mr. Joseph Reed) and his committee secured a full attendance at the dinner—the fullest, we think, in the record of these functions. Among those at the chief table with the president (Mr. W. Gray) and his wife were the president of the Pharmaceutical Society (Mr. John Keall), the chairman of the British Pharmaceutical Conference (Dr. F. W. Crossley-Holland), two members of Parliament (Sir Wilfrid Sugden and Mr. T. E. Groves), Mrs. G. W. Evans, J.P., Mrs. Irvine, M.B.E., Mr. C. H. Foster, Mr. David T. Jones, Mr. J. E. Locker, Mr. A. R. Melhuish, Mr. C. A. Noble, Mr. Parker (chairman of the West Ham Insurance Committee), Mr. W. Potter, Mr. Shadforth, Mr. Skues, and Mr. W. T. Towler, O.B.E. Others in the company (in which ladies were in a majority) included Mr. C. E. Corfield, Captain J. J. G. Hay, Mr. Vivian C. Hewlett, Mr. Herbert Skinner and Mr. G. A. Tocher.

The speeches were without exception good—and brief. Proposing the toast of "The Pharmaceutical Society of Great Britain," Mr. W. J. Beardsley (a vice-president of the Association and member of the Society's Council) remarked that the new "conscripts" were likely to utter embittered criticisms of action taken by the Council. He regarded the present Act as the framework of an Act that would restrict the sale of all medicines to the qualified. He congratulated the Society on its educational policy and on its publications. Mr. Keall, responding, pointed out that West Ham had always afforded an opportunity to give an account of one's stewardship. The name of the Association was synonymous with benevolence. He thought that any soreness on the part of the "conscripts" would pass away, and that there might even be a touch of remorse on their part. Pharmacy would aim at the total reservation of those things belonging to it. The Codex, in the revision of which Mr. Beardsley had taken no small part, was a valuable piece of work. No step would be taken regarding the new home for the Society without the fullest consideration and consultation. Before resuming his seat, the president, with becoming gravity, presented the chairman of the Conference, on behalf of the Association, with a valentine in the shape of a doll. Dr. Crossley-Holland accepted the gift in terms of Shavian irony, but considerately refrained from introducing Shakespeare. This hilarious episode was followed, after a musical turn, by a brilliantly funny speech by Mr. Arthur Mortimer (a vice-president) in submitting the toast of "The Ladies"; he coupled with it the name of Mrs. Irvine, who, it was learned, was likely soon to be a candidate for election to the Council of the Society.

Mrs. Irvine, in reply, made the shortest speech of the evening. She chaffed Mr. Mortimer on his wide range of subjects, and made an effective point over the alleged difficulty of getting a joke into a Scottish head. She added another anecdote to Mr. Mortimer's, thanked West Ham for its atmosphere of hospitality and happiness, and sat down with a very tactful intimation that long speeches were not in favour on the distaff side of the company. There remained the toast of "The Association," given by Mr. C. A. Noble with his usual felicity and with generous words of congratulation for the Association, its president (winner of the Conference cup for golf last year) and its officers. Mr. Gray, in reply, suggested that what West Ham thinks to-day the Council and other associations will think to-morrow. He was proud of their record in benevolence, and after announcing that the collection for the Fund at that dinner amounted to £15 11s. 6d. thanked the committee, and welcomed the distinguished visitors present. In a final passage Mr. Gray urged that the future of pharmacy did not depend on the number of companies formed but on the ability of the individual pharmacist to command the confidence of the public. In addition to the music provided during dinner and between speeches, the programme included a cabaret.

Manchester

Jack L. Barnett, Ltd., Corn Exchange Buildings, inform us that owing to an error on the part of the Post Office authorities their telephone number should be Blackfriars 0225, and not as was previously announced.

The annual dance of the Junior Branch of the Manchester Pharmaceutical Association, which was held at the Piccadilly Dance Salon on February 6, was a great success. The fact that there were over 150 guests present was evidence of the interest taken. Mr. H. Steinman (joint vice-chairman) was M.C., and his genial manner of organising the various numbers was much appreciated. A novel feature of the evening was fancy dresses for dancers provided by the Piccadilly Salon proprietors. Gifts were distributed during the evening. In the carrying out of the arrangements appreciation was expressed of the work of Mr. E. Coonin (chairman), Messrs. E. Barker and M. Steinman (vice-chairman), Mr. A. E. Thorpe (treasurer) and Mr. R. B. Maskell (secretary).

The New Front of Taylors, Ltd., at 4 Exchange Street, Manchester

Mr. Walter Bickerstaffe, chemist and druggist, Preston Street, Hulme, is achieving a reputation as a playright. He has already written seven plays and is now engaged on his eighth. All seven are full-length, three-act productions, six of them farces and the seventh a thriller. The farces are entitled "Oh, Archie!" "Be Careful, Bill!" "Monty and Two,"

"Nothing Ever Happens," "What a Business!" and "Pigs are Precious," and the thriller is "The Necklet." Mr. Bickerstaffe's plays have now achieved about 100 presentations in Bolton and district. Mr. Bickerstaffe began to write plays some five years ago following the success of several playlets he wrote for concert parties. At that time he was a member of a local amateur dramatic society.

The adjourned annual meeting of the local Branch of the Photograph Dealers' Association was held on February 14, Mr. J. G. Chapman in the chair. The following members were elected to the Executive Committee:—*Manchester*—Messrs. Chapman, Cleworth, Foxall, Haines, Hogley, Lomax, Stabler, Steinman, Wood and Wrigley; *Salford*—Messrs. Jones, Mills, Simmons, Stout and Wilkinson; *County Area*—Messrs. Ash, Darbyshire, Edwards, Scholes and Tyler. A resolution that members should be entitled to a vote for every 10s. subscription paid was agreed to in principle, but referred back for more definite wording. A letter received from Ilford, Ltd., intimated their conditions for the opening of new accounts. Mr. Chapman said they were practically those suggested by the Joint Council. He was satisfied that manufacturers did not intend to flood the country with new dealers; at the same time, they would accept no representations on the matter from branches. A long discussion followed. The consensus of opinion was that strong efforts should be made to increase the membership of the P.D.A., so that it would be representative of the bulk of dealers in any negotiations that might arise.

Wallasey

An enjoyable evening was spent by members and friends of the Wallasey Pharmacists' Association at the Grosvenor Assembly Rooms, on January 31, at the annual whist drive and dance. The company included the president of the Association (Mr. J. B. Williamson) and Mrs. Williamson, Mr. and Mrs. C. H. Wright and Mr. J. Waterworth (Birkenhead Association). The president of the Birkenhead Association and his wife were unable to attend. The dancing was capably controlled by Mr. Pike, and a "magic carpet" elimination competition which created a good deal of amusement was won jointly by Mrs. J. B. Williamson and Mr. J. Lear, and Mr. and Mrs. S. Bastock. Mr. Green acted as M.C. for the whist drive, and the following were the prize-winners:—*Ladies,* (1) Mrs. Green; (2) Mrs. W. Wood; (3) Mrs. Bartlett; (consolation) Mrs. J. Lear. *Gentlemen,* (1) Mr. Sorensen; (2) Miss Court; (3) Mr. Rex Wood; (consolation) Mr. Jones. A tie took place for the ladies' third prize between Mrs. C. H. Wright and Mrs. Bartlett, the latter winning in a cut.

Miscellaneous

Gas and Anti-Gas Service (R.E.).—The combined annual dinner of these Services will take place on March 2 at the Midland Grand Hotel, St. Pancras, London, N.W.1. Tickets and full particulars are obtainable from the joint organisers, Mr. J. M. Oakey, 13 Little Grosvenor Street, W.1, and Mr. H. Lucas, 37 Northumberland Avenue, Welling, Kent.

Fires.—The following outbreaks of fire have been recorded since our last report:—An outbreak of fire occurred on February 16 on the premises of Mr. W. Squire, chemist and druggist, Orb Street, Walworth, London, S.E.—On the same date there was an outbreak of fire at the premises of Mr. W. V. Wright, chemist and druggist, Queen Street, Hammersmith, London, W.6. The damage was not of an extensive nature.

Wine licence applications.—In addition to those mentioned in the *C. & D.*, February 16, p. 179, the following have been granted wine off-licences at the recent local Brewster sessions:—Messrs. A. Atkinson, Southend-on-Sea Co-operative Society; W. E. Bambrough, West Mersea, Colchester; W. E. Dale, Andover; H. E. Evans, Audlem, Cheshire; Grays Co-operative Society; J. Hoyle, Accrington.

Irish Notes

British Pharmaceutical Conference

A meeting of the ladies' local committee was held on February 13 at the Pharmaceutical Society's offices, 73 University Street, Belfast, Mrs. Storey (chairman) presiding. The following were present: Mrs. Martin, Mrs. Abernethy, Mrs. Edwards, Mrs. Badger (Magherafelt), Misses Barry, Forrest, Fox, Murray, Patterson and Robinson. Mrs. Dwen (secretary) was in attendance. An apology for absence was received from Miss Laverty. Final arrangements were made for the American tea on February 27. Arrangements were also made for the dance to be held at the Plaza on March 20. Satisfaction was expressed at the financial success of the previous dance and bridge drive.

Dublin and Provincial Retail Drug Association

The question of abolishing penny sales schemes was discussed at the meeting of the Dublin and Provincial Retail Drug Association special committee on February 18, Mr. T. C. Scott (president) in the chair. From the reports of the Association's organiser (Mr. Brendan Smith, M.P.S.I.) it was evident that there was much dissatisfaction among chemists all over the country at the continuance of these sales. The special committee felt that they must not relax their efforts to have these sales ended, as there was every possibility of the practice spreading if chemists did not definitely set themselves against it. Certain manufacturers have placed on the market non-poisonous disinfectants for sale through grocers, hardware stores and other non-pharmaceutical traders. The special committee felt that the adoption of such a policy by the manufacturers was inimical to pharmacy and an obvious effort to get outside the new regulation. It was decided to have samples of these non-poisonous disinfectants sent to the Dublin city analyst for analysis and a report upon the effectiveness of such preparations as disinfectants. On the policy, already decided upon, of taking up one proprietary at a time and endeavouring through negotiation with the particular manufacturer to have sales through non-pharmaceutical traders discontinued, the special committee decided to communicate with the Ulster Retail Drug Trade Association and invite their co-operation in the campaign. Mr. Brendan Smith reported that he had just concluded a tour of the Midlands, including Meath and Westmeath. The results were very satisfactory.

Brevities

Irish Pharmaceuticals, Ltd., are running an Irish Week prize scheme for the month of March.

The Calendar of the Pharmaceutical Society of Ireland for 1935 will be issued to members during the coming week.

The Dail of the Irish Free State has adopted a motion imposing a duty of 6d. per gallon on mineral hydrocarbon light oil, but excluding benzol.

Sir Thomas McMullan and Major H. Haslett (J. & J. Haslett, Ltd.) have been elected vice-presidents of the Belfast Branch of the United Kingdom Commercial Travellers' Association.

In the coming Exhibition of Industries to be held at the Royal Dublin Society's spring show at Ballsbridge, it is learned that the new Irish pharmaceutical, cosmetic, soap and toilet industries will be well represented.

Mrs. Kathleen Hartnett, now residing at Marino, Dublin, claimed the sum of £2,375 at the Tralee Court, recently, for the destruction of furniture and stock in 1922 at her shop and house at Kenmare, where her late husband was a chemist. Judge McElligott gave an award for £1,014, with £19 10s. expenses.

At Belfast Quarter Sessions, on January 31, Alfred Patton and Robert Quaile, Lisburn, were found "Not guilty" of committing damage to a plate-glass window, value £11 6s., in the pharmacy of Mr. Robert L. Chambers, Ph.C. The defence was that the occurrence was accidental. The matter had a sequel at Lisburn Quarter Sessions on February 9, when Mr. Chambers brought a claim for £15 for the breaking of the plate-glass window. The respondents were the Lisburn Urban Council. Judge Thompson, after reviewing the circumstances, dismissed the claim.

At Stewartstown Petty Sessions, recently, Nancy J. Nedwell, Belmont, Stewartstown, was charged under the Finance Act of 1910 with manufacturing for sale rhubarb wine, and with retailing this liquor, without a licence. Mr. Hastings, for the defence, asked the prosecution to state the section of the Act which made it obligatory on the defendant to take out a licence to sell this particular wine. He had, he said, searched through the Act, but could find no indication of it. Mr. Simms, for the prosecution, quoted from the Revenue Act, 1906, to prove his point. It was pointed out to him that the case was brought under the Finance Act. The magistrates adjourned the case for a month to consider the point.

Scottish Notes

A Fantasy on Poisons

Mr. Alexander Robertson, a director of James Anderson (Chemist), Ltd., Commercial Street, Dundee, was inspired by an original idea in preparing an address for the Dundee Rotary Club, delivered on February 7. Under the title "The Poison Club" Mr. Anderson pictured the bottles of a pharmacy leaving their shelves at midnight and moving with one accord to the locked poison cupboard. Inside the cupboard the occupants were talking earnestly in subdued whispers. The chairman of the Club, the Right Honourable Lord Arsenic, opened a discussion protesting against the enforcement of regulations under the new Pharmacy and Poisons Act which would force the Club to open its doors to a large number of undesirable persons. Mr. Nux Vomica Strychnine followed with a history of poison legislation in this country: this was the pill which Mr. Robertson had, in his own word, "gilded." His address concluded with the following paragraph:—

"The secretary pauses to drink a glass of water after this long oration, and sounds of unrest are heard from without. Resuming the speaker says, 'In 1933 the Government decided to revise all existing statutes relating to poisons, and after months of labour they have brought out a schedule so vast as to leave hardly any drug whatsoever outside its ramifications; consequently we are faced with the threat of having our doors thrown open to the entire rabble of the drug world—and, what, gentlemen, I ask you, what are we going to do?' The words are scarcely spoken when the rhetorical question so forcefully asked is equally forcefully answered by the bursting open of the doors and the entrance in a rush of the rabble. In a moment all is utter confusion; and as that is rather the state in which forensic pharmacy finds itself to-day, I suggest that we leave the matter there."

Brevities

Mr. Robert Telford, 48 Brownside Road, Cambuslang, Glasgow, has been appointed agent for Macleans, Ltd., manufacturing chemists, Brentford, Middlesex.

Members of the Glasgow Royal Technical College Pharmacy Club held a dance in the Plaza Ballroom, Glasgow, on February 8. Among those present were Mr. S. Hughan, Mr. J. Copeland, Mr. R. Wylie, Mr. H. Mollison and Mr. G. Rattray.

A correspondent (9/2) writes:—"It is mooted that Wales intends running a candidate for the next Council election, and if such a candidate is pledged to retrenchment and reform he is sure of very substantial support from Scotland."

Professor T. P. Hilditch, of Liverpool University, delivered the jubilee memorial lecture of the Society of Chemical Industry to the Edinburgh and Glasgow sections of the Society in the Royal Technical College, Glasgow, on February 1. Professor Hilditch spoke on the chemistry of the natural fats.

A correspondent (16/2) writes:—"Notwithstanding the vagaries of medical fashion it is satisfactory to note that the vast majority of prescriptions adhere to the time-worn drugs, tr. nuc. vom., tr. digitalis, vin. ipecac., spt. ammon. aromat., tr. card. co., tr. camph. co., ammon. carb., bismuth. carb., sod. bicarb., and the bromides being prime favourites."

On February 6, fifty-four members of the Edinburgh Chemists', Assistants' and Apprentices' Association visited the Edinburgh Corporation gasworks at Granton. The various departments were visited, from the coal at the top to the retorts where crude gas is made and through the various processes for gas purification and the determination of the thermal value and final pumping of the gas for conveyance to the city supply. For lack of time a visit to the by-product department had to be deferred till a future occasion.

Topical Reflections

By Xrayser

The Finance

of the Pharmaceutical Society, as likely to be exemplified in the eagerly awaited annual balance sheet for 1934 (*C. & D.*, February 16, p. 193), will no doubt cause a good deal of comment; and Dr. Bryant has in my estimation given a fair and moderate forecast of the probable situation that will have to be faced by members if the new building is proceeded with. I am hoping that it will never get as far as that; and I am very glad to see that your contributor has given similar reasons to those I advanced several weeks ago in these "Reflections" why such a huge building should not be required. One is that there is no necessity for housing the Pharmacological Laboratories in Central London; they would be better on all counts in the country. The laboratories of a well-known institute for similar work have been removed to a district about twelve miles north-east of London; the building is an old mansion which serves the purpose admirably, and is surrounded by pasture land. Another reason is that there is now no longer any necessity for the Society to possess a School of its own. There are quite sufficient technical institutes and schools of pharmacy throughout the country where young people can get all the training they require for their examinations. Admittedly the Council's School has fine traditions, but these must give way to the stern precepts of economy in times such as these. There would then be left the administrative requirements, which surely could be provided for in other ways than by the erection of a building far too large for the purpose.

Mincing Lane,

or that part of it which is mostly concerned with merchandising, is rather "under the weather" just now; and I would like to add my quota to yours (pp. 163 and 197) in giving a meed of praise to those brokers who have served the drug trade so well and for such a long period of time. They have had, and have, trials which need not be enumerated here. But that they have done their best to serve the pharmaceutical and allied trades there can be no doubt; and I hope that the stigma of speculation which has been so freely applied, often without discrimination, to many whose warehouses and offices are in the "Lane," will be withheld from the drug brokers as a class. They are anxious to help the legitimate drug trade in every possible way. Their business is not what it was; the quantities they supply are generally smaller than they used to be; but they supply a real need in that chain of operations which begins with the growing of the article and ends with the handing over of it to the customer by the chemist. If ever certain potent drugs, using that word in its widest sense, are controlled from the source of origin to the counter of the pharmacist in such a way that outsiders cannot obtain supplies, it will be found that an essential part of that control will have to be exercised by the drug brokers.

The Expression "Out of Friends,"

describing a situation between the manufacturing or wholesale trade and the retail chemist (p. 145) is not altogether a happy one, but it emphasises the urgent necessity for co-operation between the two classes, because the future of the craft depends upon the realisation of each that its interests are bound up with those of the other. A good deal of attention is being paid at the present time to the relations between the two classes, a practical outcome being the formation of the Joint Committee of the National Pharmaceutical Union and the Wholesale Drug Trade Association; the formation of the chemists' clearing house was the first of what I hope will be a series of measures for the benefit of both sections. I notice, too, in the recent address Mr. Mallinson gave on the "Future of Pharmacy," that he advocated that his members should support those wholesale houses whose policies are bound up with pharmacy, and whose future depends upon the support of its practitioners. Sympathy will be necessary between the two sections, and a clear understanding of each other's problems will have to be shown before progress is made; this can only come about by getting together and discussing the many aspects of the matter. I deprecate at present a too rigid insistence on the nine "points of procedure"; they may become two-edged tools.

Legal Reports

A Tincture Too Strong.—At Glasgow Central Police Court, on February 12, James Taylor (Trongate), Ltd., Glasgow, manufacturing chemists, were summoned for having sold five pints of " tincture of iodine " containing iodine and potassium iodide in excess of the quantities ordered in the British Pharmacopœia. It was stated by Mr. James G. Wright, chemist and druggist, that he sold a sample of the tincture to a food and drugs inspector on October 8. He was summoned, but proved that he had a warranty. He said the sample sold was exactly as he had bought it. Mr. A. McNicol, managing director of the company, said that when the tincture of iodine left them it was correct. The warranty held good only for a reasonable time, and he thought the time which elapsed between the supply of the iodine to Mr. Wright and the time of its sale to the inspector was not reasonable. " We recalled as much as possible of the iodine from the same make, and had it analysed and it was found to be correct." A fine of £2 was imposed.

Disputed Trade Marks.—The hearing of an action in which Walfox, Ltd., Batley, Yorkshire, sued John McLaughlin and People's Popular Prescriptions, Belfast, T. H. Walton & Co., Ltd., Batley, Bakora, Ltd., Batley, J. & J. Haslett, Ltd., North Street, Belfast, and Kempac, Ltd., Batley, began in the Chancery Division, Belfast, on February 13 and continued on February 14. The plaintiffs, in their statement of claim, set out that they are the registered proprietors of two trade marks relating to certain medicinal preparations; they alleged that the defendants had infringed the trade marks by issuing and distributing pamphlets advertising for sale medicinal preparations not of the plaintiffs' manufacture and by selling and passing off preparations not of the plaintiffs' manufacture. The plaintiffs claimed an injunction to restrain the defendants and each of them, their servants and agents, from publishing or circulating any advertisement or notice calculated to induce the belief that their medicinal preparations were manufactured by the plaintiffs, and from passing off or doing any act calculated to pass off medicinal preparations not of the plaintiffs' manufacture as preparations manufactured by the plaintiffs. The plaintiffs further claimed damages or an account of profits, costs, and further or other relief. The defence was a denial that the plaintiffs were the registered proprietors of the alleged trade marks, and the defendants also denied that there had been any infringement, and claimed that the words were descriptive words common to the trade. There were eight counsel in the case.

Mr. T. J. Campbell, K.C., opening the case for the plaintiffs, explained that they were wholesale manufacturers of medicinal preparations, and three of the defendant concerns were English rivals of the plaintiff company, trading in the same business and in the same town. The plaintiffs were in an extensive way of business. They supplied approximately 30,000 retail traders, and their factory covered three acres. They were manufacturers of certain medical products. The plaintiffs were incorporated in 1925, Bakora was incorporated in 1931, Kempac in 1932, and Walton & Co. in 1908. Mr. Arthur Sutton, director of the plaintiff company, gave evidence of the similarity in prescription and general make-up of the preparations of the defendant company, Kempac, Ltd., and said it was to this similarity that he objected. He was cross-examined at length by counsel for the defendants regarding the use by firms other than the defendants of names similar to those used on Walfox products. Mr. Charles Blakey, a director of the plaintiff firm, said he had originally been sales organiser. The present names of the articles had been in use since 1929 and 1930, and indicated the company's preparations. Mr. Charles McMullan, analytical and consulting chemist, William Street South, Belfast, testified to analysing preparations of the plaintiff firm and those of two of the defendants.

The evidence for the plaintiffs having closed, Mr. Murphy, for the defendants, asked for a direction. It was quite clear, he submitted, that this was a claim to restrain the several defendants from using certain words. It was a label registration, and the label contained certain words which they could not register under the section of the Act of 1919. What they were now trying to do was to ask his lordship to hold that those words were registered. The hearing was adjourned.

New Companies and Company News

P.C. means Private Company and R.O. Registered Office

Bernard Pharmacies, Ltd. (P.C.).—Capital £1,000. Objects: To carry on the business of chemists, druggists, etc. R.O.: Leicester House, High Street, Blackwood, Mon.

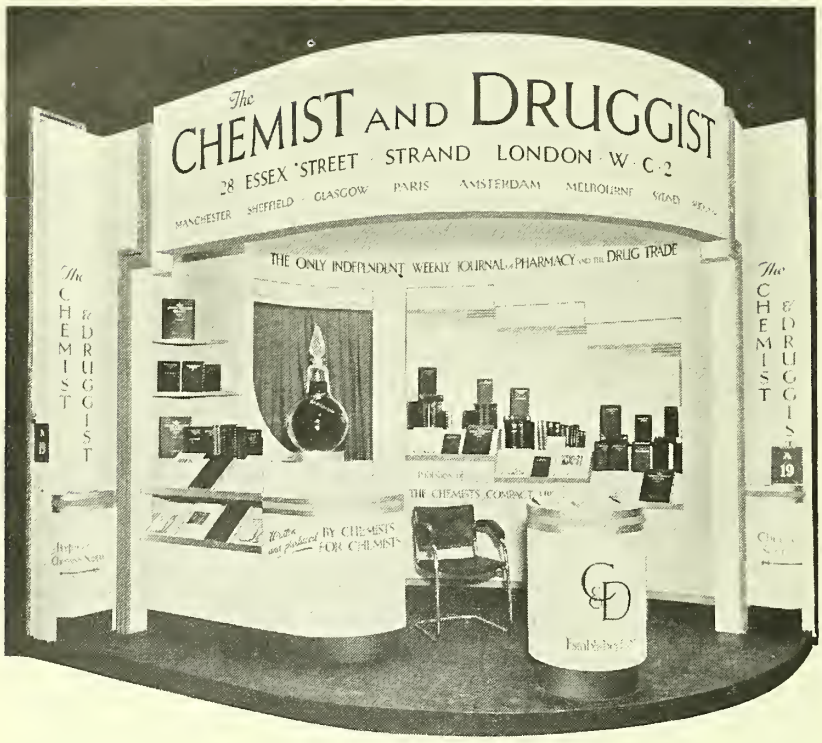
Brimsdown Chemical Works, Ltd. (P.C.).—Capital £10,000. Objects: To carry on business as manufacturers or merchants of activated carbon chemicals and manures, metallurgists, etc. R.O.: 27 Finsbury Square, E.C.2.

Paton, Schultz & Co., Ltd. (P.C.).—Objects: To carry on an exporting and importing trade with China, Japan and Brazil, etc. Directors: D. Stuart Paton, G. Stuart Paton and P. G. Schultz. R.O.: 4 Cullum Street, E.C.3.

Raimes & Co., Micklegate House, York, wholesale druggists, advise us that, consequent upon the death of their late senior partner, they have converted their business into a private limited liability company, under the title of Raimes & Co., Ltd. The business will be carried on under the same management.

Southall Bros. & Barclay, Ltd.—Shareholders have been advised that the directors have concluded an agreement with Sangers, Ltd., for the sale to that company of the drug section of their business, comprising drugs, druggists' sundries, counter-pharmaceutical specialities, proprietary medicines, chemical apparatus, photographic materials and cod-liver oil. It is proposed to form a new company under the name of Southall Bros. & Barclay (1935), Ltd., to carry on the business, and, of the original company, Mr. E. W. Mann and Mr. E. D. Barclay, will be directors, thus ensuring continuity of management. The Birmingham company also advise their shareholders that they will concentrate on the manufacturing business at Charford Mills, in the production of surgical dressings, sanitary towels, ladies' specialities, etc. It is proposed to change the name of the company to Southalls (Birmingham), Ltd. The W. G. Taylor branch will be carried on as hitherto. For the purpose of authorising these proposals and making the necessary alterations in the articles of association an extraordinary general meeting of Southall Bros. & Barclay, Ltd., will be held at the Chamber of Commerce, New Street, Birmingham, on Thursday, March 14, 1935, at 12.30 p.m. Southalls of Ireland, Ltd., Dublin, also notify the sale of the drug section of their business to Sangers, Ltd.

Borax Consolidated, Ltd.—At the annual general meeting held in London on Wednesday, February 20, the chairman of the company (The Rt. Hon. the Earl of Leven and Melville, K.T.), who presided, referring to international trading conditions, said:—At the annual meeting in 1923 your chairman mentioned that the fluctuations in exchange made it so difficult to do business, and said we had a serious problem to deal with in conducting our export business to protect ourselves against possible heavy loss, and that we had been compelled to refuse business in certain cases unless for payment in sterling; that the course of business in some of the most important Continental countries had been practically destroyed by the political conditions. That was in 1923, and we may add to his list the complication of increased tariffs, quotas and compensation payments, and we have a picture of the present state of commerce internationally and of our own particular troubles, seeing that our business is international. Notwithstanding these obstacles the business world is struggling vigorously to make headway, and we find an upward trend in the demand for our products for industrial use both in the United States of America and in some European and other markets. At the same time it is necessary to emphasise that until the obstacles which stand in the way of business are removed the position must be considered as doubtful, and it is not possible to predict very far ahead how we shall progress; but I will add that during the current financial year our business is holding up well, and although we may not have a recurrence of some special business from which we benefited last year, there are other encouraging features, and we consider the current year should show satisfactory results, unless some serious break in business conditions should in the meantime occur.



Impressions of visits to the London Sections of this year's Fair . . . . .

BRITISH INDUSTRIES FAIR

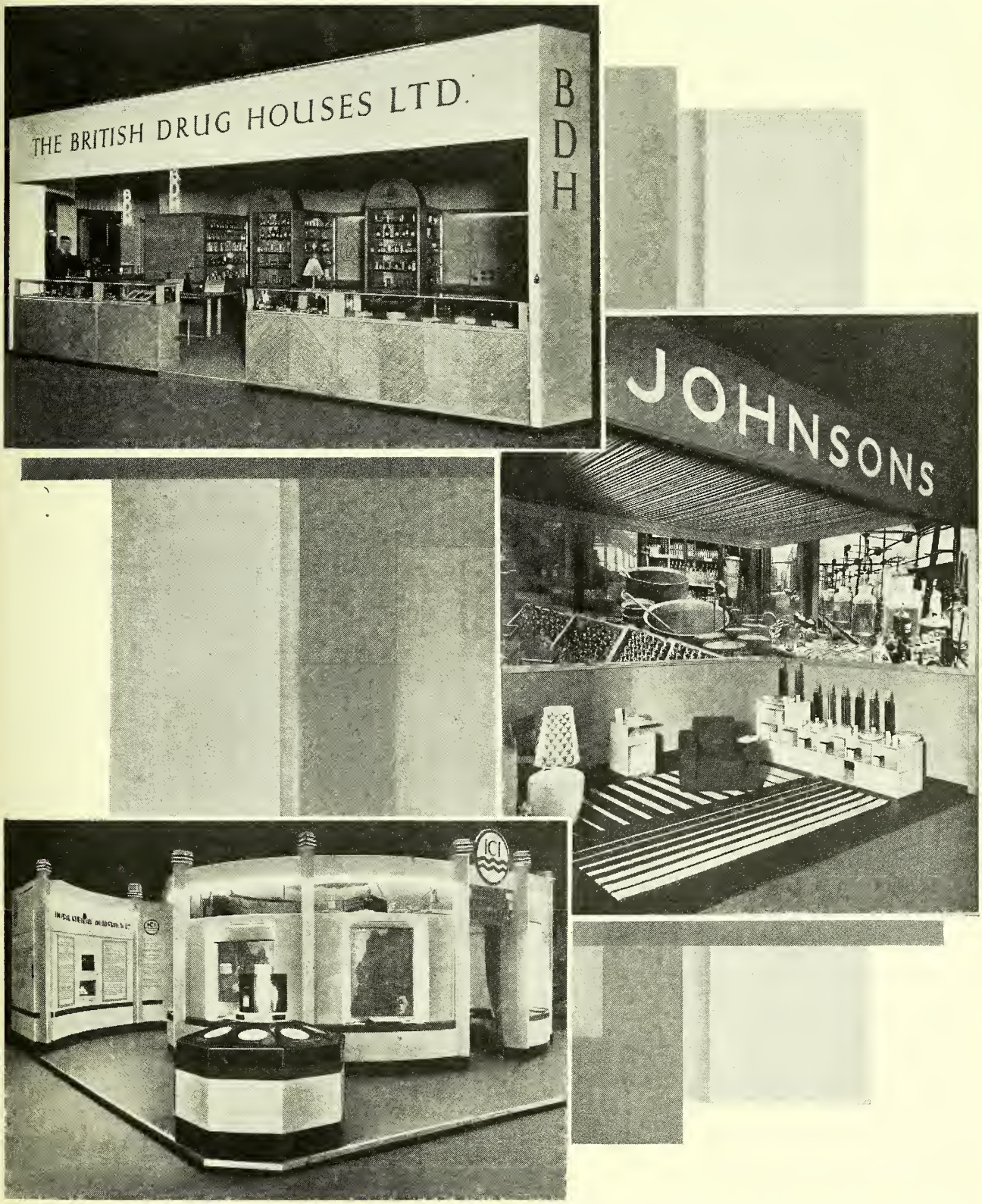
THE London section of the British Industries Fair, 1935, opened on February 18 and closes on March 1. As already announced, the Birmingham section will be held in May. Our issue of February 16 contained details of virtually all the stands of interest to our readers ; in a few cases the particulars arrived too late for insertion in that issue, and we have pleasure in summarising them in " Trade Notes " (pp. 226-27). Drugs, chemicals and pharmaceutical products are well placed at Olympia this year ; and in this connection it is of interest to us that the stand of THE CHEMIST AND DRUGGIST has been allotted the first number after the official exhibits (A.19). As showing the attraction of the Fair for foreign buyers it is worthy of note that callers at the *C. & D.* stand during the first two days included visitors from New York, Paris, Mysore, Haida (Jugoslavia), Malmo, Stockholm, Copenhagen, Helsingfors and Amsterdam.

The Empire section is housed in the Great Hall, Addison Road entrance, and comprises an exhibit of Empire products arranged under the following divisions:—England and Wales, Scotland, Northern Ireland, Canada, Australia, New Zealand, Union of South Africa, Irish Free State, Newfoundland, India, Southern Rhodesia, Eastern African Dependencies, Trinidad and Tobago and Cyprus. The exhibits consist principally of foodstuffs, but there are a few products of drug trade interest. At the Newfoundland stand, for example, may be seen cod-liver oil, and at the stand of R. W. GALE & CO., LTD., Canadian honey in glass jars and tins.

The customary dinner was given at the Mansion House by the Government on February 18, the Rt. Hon. Walter Runciman (President of the Board of Trade) in the chair. The chief table was occupied by members of the Diplomatic Corps and other distinguished visitors. The principal speaker was the Earl of Derby, who referred to the importance of the Fair and the improved prospects of British trade. Last year, he said, the nation's exports of domestic produce and manufactures reached a higher total than in any year since 1930. This country had not emerged from the depression—no country had ; but we had weathered the worst of the storm. It was the desire of everyone in this country to assist in promoting the freer flow of international trade. Mr. Runciman, responding, pointed out that the Fair, first held at the Royal Agricultural Hall, Islington, twenty years ago, continued to grow. Its area was now nearly six times that of the 1915 Fair. The improvement in the export position was encouraging to the nation. The export trade for 1934 compared with 1933 rose in value by over £30,000,000, or more than nine times the increase recorded a year ago. In particular, the exports of manufactured articles, which constituted the main bulk of their export trade, offered grounds for comparative satisfaction. The total value of the exports of British manufactured goods had risen from £282,000,000 in 1933 to £305,000,000 in 1934, an increase of £23,000,000. The Fair was an effort to set the wheels of world trade revolving less sluggishly. Specimen products of one-quarter of the globe produced by one-quarter of the people of the earth were to be seen in the Empire section of the Fair.

The photograph of A. Boake, Roberts & Co., Ltd. (p. 221), is by Tella Co.; that of Imperial Chemical Industries, Ltd. (p. 219), is by F. Sims & Co.; the remainder are by Wallace Heaton, Ltd.

BRITISH INDUSTRIES FAIR 1935

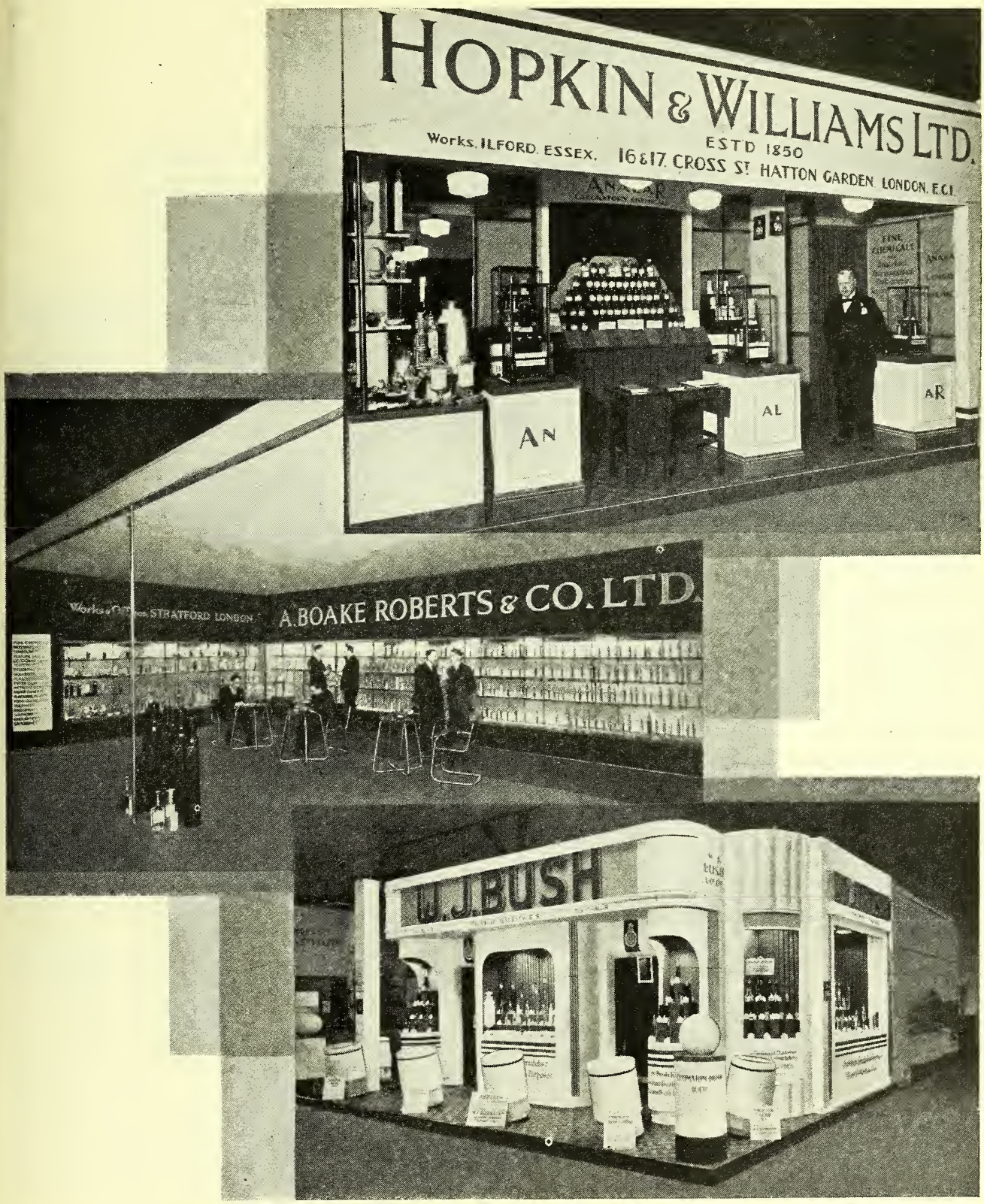


THE BRITISH DRUG HOUSES, LTD.; JOHNSON & SONS, MANUFACTURING CHEMISTS, LTD.; IMPERIAL CHEMICAL INDUSTRIES LTD.

BRITISH INDUSTRIES FAIR 1935

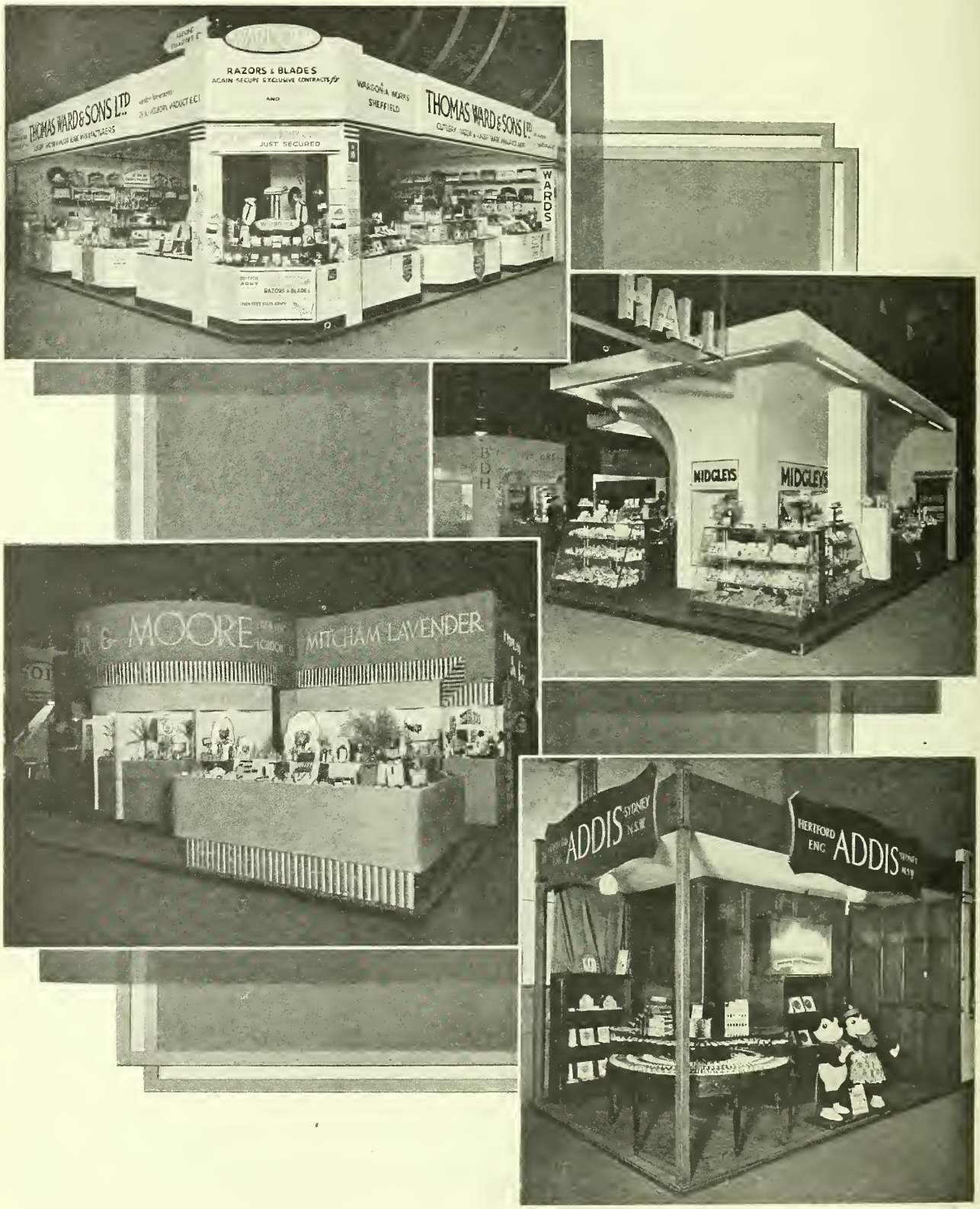
HOWARDS & SONS, LTD.; THOMAS TYRER & CO., LTD.; WHIFFEN & SONS, LTD.

BRITISH INDUSTRIES FAIR 1935



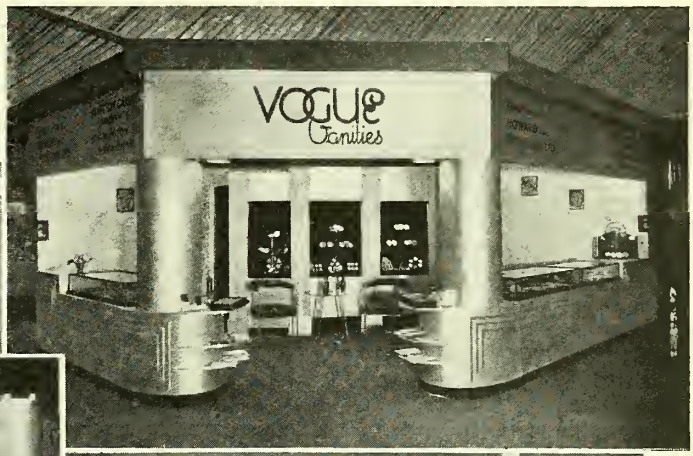
HOPKIN & WILLIAMS, LTD.; BOAKE, ROBERTS & CO., LTD.; W. J. BUSH & CO., LTD.

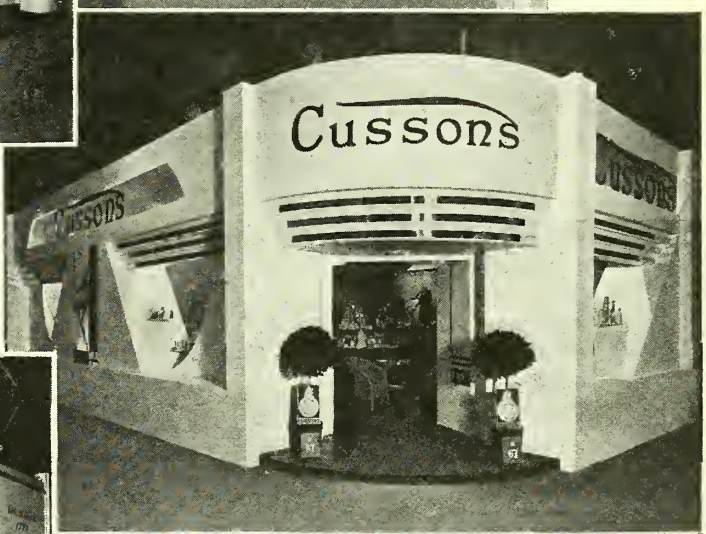
BRITISH INDUSTRIES FAIR 1935



THOMAS WARD & SONS, LTD. CHARLES MIDGLEY, LTD.; POTTER & MOORE, LTD.; ADDIS BRUSHWARE.

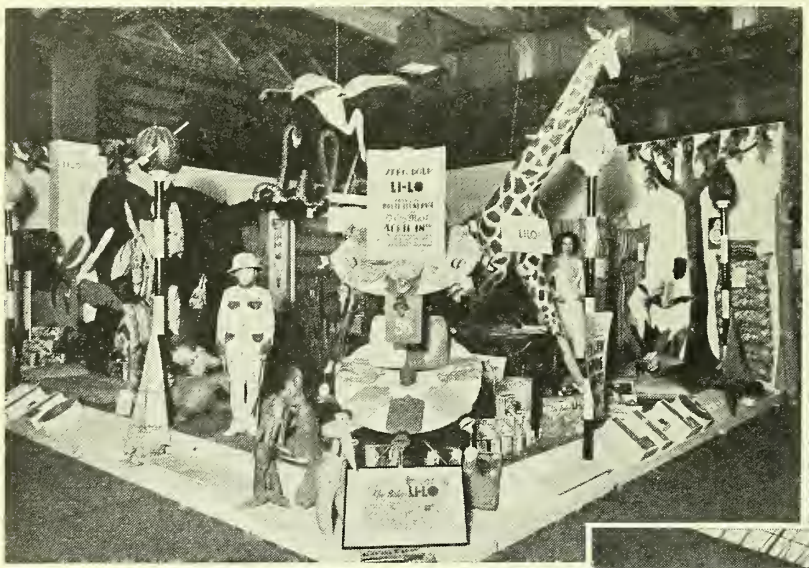
BRITISH INDUSTRIES FAIR 1935





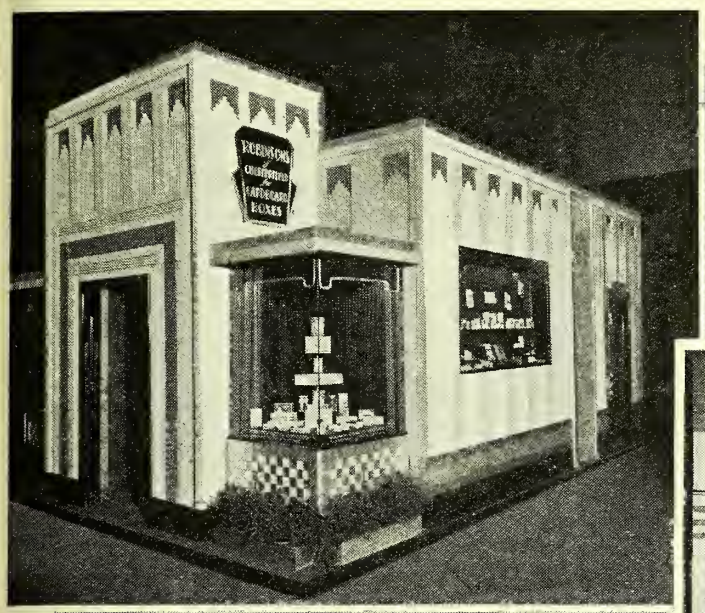
BLACKMORE, HOWARD & METHERELL, LTD. (VOGUE VANITIES); JAMES NEILL & CO. (SHEFFIELD), LTD. CUSSONS, SONS & CO., LTD.; G. B. KENT & SONS, LTD.

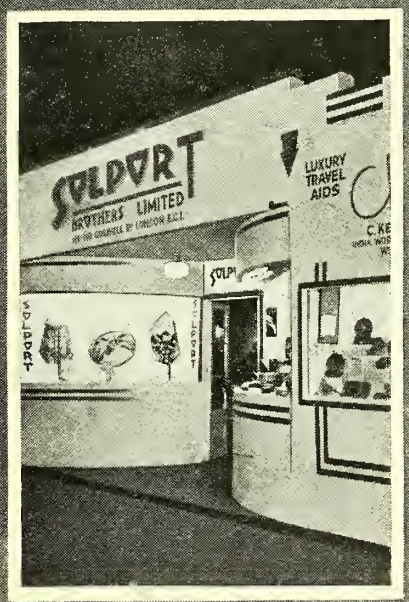
BRITISH INDUSTRIES FAIR 1935



P. B. COW & CO., LTD.; SAMUEL JONES & CO., LTD.; THE VISCOSE DEVELOPMENT CO., LTD.

BRITISH INDUSTRIES FAIR 1935





ROBINSON & SONS, LTD.; THE BRITISH ROTOTHERM CO., LTD.; THE INTERNATIONAL BOTTLE CO., LTD.; SOLPORT BROTHERS, LTD.

Trade Notes

PHENOZYL lockets are a product of The Phenozyl Co., 29 Regent Circus, Swindon.

EASTER EGGS.—Vinolia Co., Ltd., Bebington, Cheshire, are again offering soap eggs in various packings for Easter gift lines. Several of these presentations are illustrated elsewhere in this issue.

VIONASE TABLETS.—Wilcox, Jozeau & Co., Ltd., 15 Great St. Andrew Street, London, W.C.2, give particulars on another page of a bonus offer in connection with Vionase tablets.—Mr. R. J. Raymond has left the employ of the company.

KARSWOOD DOG POWDERS.—E. Griffiths Hughes, Ltd., Adelphi, Salford, Manchester, have prepared a striking and informative display card to call attention to the benefits derived from the administration of Karswood powders to dogs.

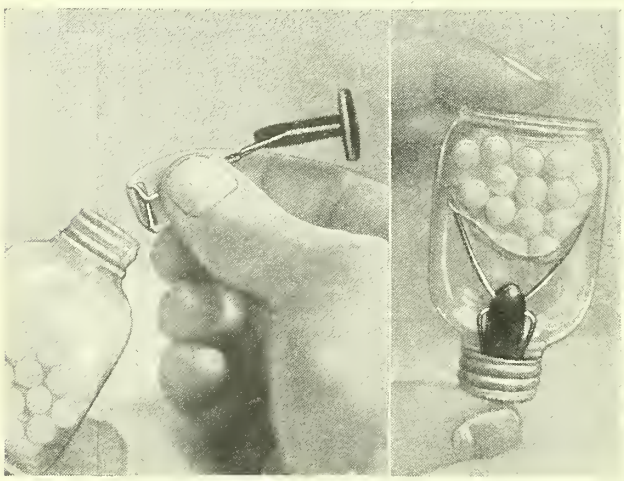
MAY & BAKER, LTD., Dagenham, Essex, inform us that they have successfully prosecuted P. C. Mitter, manager of Lytton & Co., Calcutta, for using old labels, which had been removed from genuine packages, on parcels containing a substitute product.

EX-LAX, LTD., Slough, are sending out a statement regarding the comments which appear in the February "N.P.U. Supplement." This statement, which contains hitherto unpublished correspondence between the N.P.U. and Ex-Lax, Ltd., is of interest to all chemists.

"THE ILFORD MESSAGE" is the title of a new publication which is being issued to professional photographers, commercial and industrial photographers and to photo-finishers, by Ilford, Ltd., Ilford. It is not being supplied to dealers, whose interests are catered for by "The Ilford Courier."

DIPHTHERIA PROPHYLAXIS.—Evans' Biological Institute (Evans Sons Lescher & Webb, Ltd.), Runcorn, have sent us a pamphlet describing the alum precipitated diphtheria prophylactic toxoid for single dose immunisation. This is a product of the company's laboratories which is attracting considerable attention at present. Experience in the United States of America would seem to indicate that alum precipitated toxoid will rapidly supplant the other prophylactics which necessitate a treatment of three doses. A copy of the pamphlet will be sent to any of our subscribers who write for it.

IMPROVED PACKING DEVICE.—Mr. H. Chase Mason, 211 Addiscombe Road, Croydon, has obtained a provisional patent for the device shown in the illustrations below. It is intended to



be used instead of cotton-wool in containers holding pills, tablets or capsules. Mr. Mason claims that his invention reduces the cost of packing and also the risk of breakage of the contents of the bottle.

PERSIAN HAIR DYE.—This product was put on the market by the late Mr. Charles Harrison, M.P.S., founder of the business of Charles Harrison & Sons, manufacturing chemists, 54 Egerton Road, Fallowfield, Manchester, 14 (formerly of 26 Chapel Street, Salford). The firm has recently redesigned the cartons in which the proprietary is packed, and a photo-

graph of these, together with the new coloured showcard, is reproduced above. Persian hair dye, which is available in a wide range of shades, is stated to be harmless and is simple in application. Messrs. Harrison inform us that they would be pleased to hear from firms or individuals who might be interested to handle Persian hair dye in certain areas.

INSULIN.—Further announcements of reductions in the prices of insulin are made in the advertising pages of this issue.

WATERGLASS.—Goodall, Backhouse & Co., Ltd., Leeds, who are one of the largest packers of waterglass in this country, are in a specially favourable position to supply at the keenest prices.

MUSTEROLE.—Musterole Fine Products Co., Ltd., for whom Thomas Christy & Co., Ltd., Old Swan Lane, London, E.C.4, act as distributors, have decided that in order to maintain the same price of Musterole brand mustard ointment to the public in the Irish Free State as now applies in Great Britain that they will pay all duties on entry into the Irish Free State. Irish orders will be executed by Thomas Christy & Co., Ltd., Anne's Lane, Anne Street South, Dublin, to whom orders should be sent. An attractive showcard is available for window or counter display.

ENDRINE.—Petrolagar Laboratories, Ltd., Braydon Road, London, N.16, are making a bonus offer in return for an Endrine display. It should be noted that the chemist's usual wholesaler will deal with the order, but the bonus bottle, together with the attractive display-aid shown in the accompanying illustration, will be sent direct from the manufacturers.

WRIGHT, LAYMAN & UMNEY, LTD., Southwark, London, S.E.1, are publishing a new booklet on the subject of "The Truth About Soap." This is written by Professor A. M. Low and deals with his analyses of Wright's Coal Tar Soap, and there is a foreword by W. Knowsley Sibley, M.D. A copy of the booklet will be sent to any of our subscribers on request.

AUCTION ROOMS ENLARGED.—Benjamin Norman & Son, 5 Little Britain, St. Martin's-le-Grand, London, E.C.1, who are specialists in the sale of chemists' equipment by auction, have completed the considerable enlargement of their auction rooms, so that they now possess the largest and best equipped salerooms in London devoted to this purpose. The premises are equipped with five electric and other lifts, as well as other appliances, for the expeditious handling of showcases and similar articles entrusted to the firm for disposal.

BRITISH INDUSTRIES FAIR.—In addition to the numerous exhibits noticed in detail in our issue of February 16, the following may be mentioned:—DARWIN'S, LTD., are showing ten different patterns of safety razor blades and a range of nine safety razors, particular attention being called to the hollow ground and stainless steel types. LALEEK BEAUTY PREPARATIONS have a display of their cosmetics, including Longlash and a powder-box case. The latter is designed for dressing-table use, and refills are available. RELIANCE RUBBER CO., LTD., are showing for the first time their Jubilee hot-water bottle. This line should attract considerable attention. It is of attractive proportions and demonstrates the pleasing manner in which seamless moulded goods can be made. JOHNSON & SONS, MANUFACTURING CHEMISTS, LTD., have a unique exhibit. It takes the form of a mural 38 ft. by 5 ft. depicting their works. It has been done by a leading photographic artist, Gilbert Cousland, F.R.P.S., and is, we believe, the first time a trade stand has had anything of this nature.

"Photo-montage" is comparatively unknown in this country, and Messrs. Johnson are to be congratulated on their enterprise.

THE STAR BRUSH CO., LTD., have arranged a comprehensive display of brushware. A new device to which our attention was directed is shown in the accompanying illustration. It is a metal attachment for joining a broom to the handle. WILLIAMS (HOUNSLOW), LTD., are showing, among other dyes, the following colours conforming to the British Pharmaceutical Codex Specifications:—Methylene blue medicinal, pure orange G., acid Bordeaux B., Congo red C.R., neutral red W., Biebrich scarlet, trypan blue, imperial scarlet 3B., Tartrazol yellow (synonymous with Tartrazine), and oil scarlet.

BURROUGHS WELLCOME & CO., Snow Hill Buildings, London, E.C.1, have issued Hypoloid calcium laevulate in ampoules of 1 gm. It contains 14.8 per cent. of calcium and is non-toxic in therapeutic doses. The product is supplied in boxes of five Hypoloid ampoules.—Burroughs Wellcome & Co. (South America), Ltd., Buenos Aires, have removed from Calle Viamonte 758 to larger premises at Calle Rivadavia 1236.

Trade-Mark Applications

The figures in parentheses refer to the classes in which the marks are grouped. A list of classes and particulars as to registration are given in "The Chemist and Druggist Diary," 1935, p. 323.

(*From "The Trade Marks Journal," February 13, 1935.*)

"BRENTHAMINE"; for chemicals (1). By British Dyestuffs Corporation, Ltd., Imperial Chemical House, Millbank, S.W.1. 548,511.

"UNIVEX"; for photographic chemicals, etc. (1). By Universal Camera Corporation, 32 West 23rd Street, New York, U.S.A. 556,226. (Associated.)

"ANTICOX"; for medicines for animals and poultry (2). By Poultry Prophylaxis, Ltd., 448 Strand, London, W.C.2. 555,933.

"UDREEN"; for chemicals (2). By Wm. E. Smith (Vet. Medicines), Ltd., 23 Trenchard Street, Bristol, 1. 556,512.

"KILSPRO"; for medicines for fish (2). By S. Harris, 25 Bushwood, Leytonstone, Essex. 557,077.

"MONEKIL"; for chemicals (2) and for medicinal chemicals (3). By "Chinoin" Gyógyszer és Vegyészeti Termékek Gyara Részvéntytársaság To-Utcza 1 and 3, Ujpest, near Budapest, Hungary. 557,184/185. (Associated.)

"A HEALTH GUARD, STOTHERTS LTD. ATHERTON" with design of fantastic soldier ("A Health Guard" and "Stotherts" disclaimed); for goods (3) excluding soap. By Stotherts, Ltd., North Road, Atherton. 554,882. (Associated.)

"COLEMAN'S VITACUP" with design ("Coleman's" disclaimed); for food preparations containing malt, milk, eggs and chocolate (3). By Coleman & Co., Ltd., Wincarnis Works, Lower Westwick Street, Norwich. 555,796. (Associated.)

"NYMFA BRAND"; for medicines for internal use, and bath salts (3). By Burgoyne, Burbidges & Co., Ltd., East Ham, E.6. 555,702.

"TRILENE"; for medicated preparations of trichlorethylene (3). By Imperial Chemical Industries, Ltd., Millbank, London, S.W.1. 555,875. (Associated.)

"GRE-BANA"; for embrocation and ointment (3). By G. H. Moy, 6 Jubilee Villas, Weston Green Road, Esher. 556,799.

"CAMALOCOL"; for medicinal chemicals (3). By The Drug Products Co. Inc., 26-32 Skillman Avenue, Long Island City, New York, U.S.A. 555,911.

"BINACA"; for preparations for the teeth (3). By Society of Chemical Industry in Basle, 141-227 Klybeckstrasse, Basle, Switzerland. 556,051.

"SOLACE"; for plasters, mouth wash, iodine and corn paint (3), baby soothers, etc. (11) and for india-rubber hot-water bottles (40). By Hirst, Brooke & Hirst, Ltd., Sheepscar Street South, Leeds. B 556,065/066/962.

"ZORUBA"; for medicinal chemicals (3). By May & Baker, Ltd., 42-43 St. Paul's Churchyard, London, E.C.4. 556,949.

"PARBIC" and "SELONIA"; for medicated laxative emulsions (3). By Katherine S. Smith, Four Oaks, Ringles Cross, Uckfield. 557,092/093.

"TAMPAX"; for sanitary absorbent tampons (11). By Tampax Sales Corporation, 200 Denver Theatre Building, Denver, Colorado, U.S.A. 555,486.

"LEMON BARLEY WATER" and design of barley and lemon slices, on lemon shape ("L.B.W." and lemon slices disclaimed); for lemon flavoured barley water. By L.B.W., Ltd., 41 Eastcheap, London, E.C.3. 556,895. (Associated.)

"LUMINEX"; for liquid preparations for rinsing the hair (48). By P. W. Ducker, 48-50 Avenue de Tokio, Paris. 555,694.

"GENSURCO"; for hair waving preparations (48). By General Surgical Co., Ltd., Rosebery Avenue, London, E.C.1. 557,001.

APPLICATION AMENDMENT

According to "The Trade Marks Journal" of February 13, 1935, the specification for "OLIVIA" in Class 2, No. 554,450, by Cooper, McDougall & Robertson, Ltd., has been amended to "Disinfectant soap and soap for veterinary and horticultural purposes."

Gazette

Partnership Dissolved

EVANS, A. H., and BROWN, J., 119 Brighton Road, Coulsdon, Surrey, pharmacists and chemists, under the style of Evans & Brown.

Bankruptcy Acts

RECEIVING ORDER AND ADJUDICATION

BOYLE, A. J., 5 Sicilian Avenue, London, W.C.1, herbalist.

Fees and Finance

By F. Gladstone Hines, past-president of the Pharmaceutical Society of Great Britain

I MAKE no excuse for again placing before members of the Pharmaceutical Society facts relevant to the future good government of the Society. Finance is the key to that; sound finance is the basis of sound control. I must, too, insist again, at the outset, that the structure and outlook of the Society has fundamentally changed with the passing of the new Act. Balance sheets now acquire a new importance, and the fullest possible information must be made available for the whole membership. My immediate object, therefore, is to direct attention to and directly ask all my fellow members carefully to scan the balance sheet for 1934 which will soon be presented to them. I want, also, to assess a fair and reasonable practising fee (the retention fee) as well as the amount needed for the inspection work of the Society.

These two fees fall definitely into watertight compartments, administration and law. All the other activities are, in effect, non-essentials. Examination is a function which is provided for by examination fees. Education, to-day, is primarily the affair of the State, most certainly in its preliminary stages. The Society enters into this only in so far as it is necessary to ensure efficient training in pharmacy. The actual educational function has long since passed out of our hands, and is now neither necessary nor desirable—nor, in fact, a proper charge on the funds provided by members. With that brief statement let me pass to some explanation of income and expenditure.

Income

I propose only to deal with the main sections. Income may be put into three primary and two subsidiary divisions:—

(1) The College of the Society (School and Pharmacological Laboratories).

(2) Examination Revenue.

(3) Retention and Registration Fees.

(A) Publications Revenue.

(B) Investments Revenue.

(1) Is now definitely a non-essential, and if maintained as a charge on the funds of the Society must be segregated.

(2) Was originally provided for the maintenance and administration of the Society, and consideration must now be given as to the proper uses of that large revenue.

(3) Is the new basis for administration costs.

Now let us take the amount of income arising from these chief sources as one may approximately estimate it for the first year, 1934:—

(1) College.—This is not likely to differ greatly from the previous year, and I will use the same figure £7,256

(2) Examination Revenue.—Also, say £28,000

(3) Retention and Registration Fees.—Here, of course, we have a new and greatly increased amount. It replaces "Subscriptions," say £35,000

Against (1) and (2), £35,256, there are obviously large items of expenditure. But members should particularly note the considerable sum available for real administration, £35,000 per annum on the present £1 11s. 6d. fee.

(A) Publications Revenue.—In 1934 this will be abnormal because of the successful introduction of the new Codex. Here again, too, large costs must be set against the estimated total. Nevertheless the amount must be observed, startling though it may be. I put the revenue from these sources at £40,000

(B) Investment Revenue.—This mainly arises from the Brunswick Square estate, net, say £2,300

Expenditure

For simplicity I will follow the same order as above, adding those departments from which no income arises.

(1) College.—Here I assume a substantial loss and put the total cost at £13,800
(Compare income, £7,256.)

(2) Examination Costs.—I take the same as 1933 ... £10,500
(Compare income, £28,000.)

(3) Administration.—Please note that I set these charges against item (3) on the Income side under "Retention and Registration Fees." This includes both London and Edinburgh ... £17,000
(Compare this with income, £35,000)

(A) Publications.—The same observations I made under "Income" apply here: 1934 was an abnormal year. I estimate a figure approximately as shown £42,000
No possible comparison with income can be made here unless the items relating to the new Codex are taken out.

To this side of the account must be added the following estimates:—

Law department (net)	£4,000
Branch organisation	£2,500
Pensions	£1,400
Superannuation	£1,700

Finally, I want to deal with the two fees, the Retention Fee and the Business Premises Fee (not yet fixed).

Retention Fee (£1 11s. 6d.).—Item (3) I have shown as likely to produce not less than £35,000, against which about £20,000 is needed for administration, superannuation and pensions. If one adds to that any given amount as a net charge for supplying an official weekly publication, I still can arrive at a figure not greatly exceeding £30,000 per annum. But the Society derives about £18,000 a year from its examination fees. What is the proper use of this money? If half is added to Item (3), that shows a net income of £44,000 against a comparable expenditure of £20,000. Hence there appears to be an overwhelming case, not only for a reduction of the £1 11s. 6d. paid by those who desire to remain on the Register for business reasons, but also for a reconsideration of all other qualified persons now removed.

Business Premises Fee.—This does not yet operate, although, as I have previously stated (*C. & D.*, February 9, p. 167), an attempt was made by the officials and a section of the Council to earmark the fee at £2 2s. per shop per annum. The folly of this is clearly demonstrated by the figures I place before members. The cost of the Law Department has been between £3,000 and £4,000 each year.

I am satisfied that this new taxation on business premises need not and should not exceed 10s. 6d. per shop. Council candidates should be asked to pledge themselves to resist any larger sum. Let us remember that this is *new* income additional to what I have shown, and was designed to relieve a voluntary body of the expenditure indicated above. In so far as it saves this amount, any retention fee should be lessened. To me that seems simple justice.

Before I close this present short *résumé* of the financial position of the Society, I desire to point out that ample funds are available from the examination fees for pharmaceutical research. What is needed is a very close and detailed survey of the functions of the new Society. The whole object of this should be to relieve the economic stress upon individual proprietors, who are definitely the backbone of pharmacy and the sole upholders of the pharmaceutical traditions of our Society. Only so will it be possible for any kindred organisation fully to exploit for the benefit of its members the purely business side of their calling. We must demand from the official Society that our National Pharmaceutical Union shall be allowed full financial freedom of movement: that is what pharmacy needs to-day. "Planned Economy not Planned Expenditure."

Births

Notices for insertion in this column must be properly authenticated.

LARDER.—At the Alexandra Nursing Home, Lowestoft, on February 20, Lilian (*née* Hadfield), the wife of Arthur Larder, M.P.S., of a son.

SHEARMAN.—On February 17, Gwendolin, wife of Stanley J. Shearman, M.P.S., 32 High Street, Brightlingsea, of a son.

Marriages

DYSON—MOORE.—At Whitegate Drive Baptist Church, Blackpool, recently, John Dyson, chemist and druggist, to Clara Moore.

EVANS—ROBERTS.—At Berachat Chapel, Goodwick, Pem., on February 9, by the Rev. W. Banner Mendus and the Rev. W. Thomas, D. S. Evans, M.P.S., F.B.O.A., F.S.M.C., The Myrtle Pharmacy, Goodwick, to S. F. (Lallie) Roberts, Chestnut House, Goodwick.

WHELAN—GERRARD.—At St. John's Methodist Church, Hindley, Wigan, on February 13, Frederick Joseph Whelan, chemist and druggist (G. T. W. Newsholme, Ltd., chemists, Sheffield), to Hettie Gerrard.

Deaths

BRUNTON.—At 85 Glasgow Road, Perth, recently, Mr. William David Brunton, chemist and druggist, aged sixty-five. Mr. Brunton went to Perth from Markinch, Fife, where he served his apprenticeship. Recently he opened new premises in High Street in addition to his shop in York Place. Mr. Brunton is survived by his wife and two sons. One son graduated at Edinburgh University, and has set up in practice as a doctor at Richmond, Surrey. The other, Mr. J. G. G. Brunton, chemist and druggist, assisted his father in the business.

CRACK.—In Westminster Hospital, London, S.W.1, on February 18, after operations, Mr. Fred Crack, chemist and druggist, aged forty-three. Mr. Crack qualified in 1920, and was in business at 123 New Road, E.1, for the past four years. He went out with the "Old Contemptibles" in August 1914, and was present at Mons and in the severe fighting that followed. He remained in France till the end of the war, when he left the Army with the rank of staff-sergeant. Mr. Crack was much beloved in the East End. He leaves a widow and four young children.

MADDEN.—At a private nursing home in Dublin, on February 17, Mr. John Madden, M.P.S.I. Mr. Madden, a life member of the Pharmaceutical Society of Ireland, was a native of Skibbereen, where he established a business after qualifying in 1920. Last year he purchased the pharmacy of the late Mr. O. Froedman at Sutton, co. Dublin.

SHELLCROSS.—In the East Suffolk and Ipswich Hospital, on February 13, Mr. John Shellcross, chemist and druggist, aged fifty-seven.

WEBB.—At his home at West Wickham, Kent, on February 12, Mr. William Thomas Webb, aged seventy-one. Mr. Webb entered the service of D. & W. Gibbs, Ltd., London, E.1, in May 1881. He held a number of positions with Messrs. Gibbs, first in the office and finally as a representative, being possibly best known over the South London territory. Mr. Webb retired with a pension at the age of sixty-seven on December 31, 1931, to enjoy a well-earned rest and spend his days in his favourite hobby of gardening. The interment took place at Wickham Churchyard on February 15.

WRIGHT.—At Addenbrooke's Hospital, Cambridge, on February 16, after a brief illness, Mr. William Edgar Wright, chemist and druggist, The Central Pharmacy, Clare, Suffolk, aged fifty. Mr. Wright was formerly at Swansea, where he was widely known, especially for his activities in connection with the Swansea Camera Club. He leaves a widow.

Personalities

MR. F. A. CLAYTON, chemist and druggist, Whitehaven, has been elected vice-president of the local traders' association.

MR. J. DOWTY, chemist and druggist, Bitterne, Southampton, has been elected vice-chairman of the local tradesmen's association.

THE engagement is announced between Mr. D. J. Steel, B.Pharm., Ph.C. (Hall & King, chemists, Folkestone) and Miss J. Philpott, Wareside, Herts.

Two recent appointments to the staff of Vinolia Co., Ltd., Bebington, Cheshire, are those of Mr. J. K. Cooper and Mr. Arnold Griffiths as sales supervisors.

MR. G. A. TOCHER, M.P.S., secretary of the London Pharmaceutical Committee, was presented on February 19 with a gold watch from the chairman (Mr. Herbert Skinner) and members of the Committee as a token of their esteem and appreciation of his services during twenty-one years of office.

Business Changes

THE business of the late Mr. S. Brigham, Spittal, Berwick-on-Tweed, has been closed.

THE pharmacy of Simmons, chemists, 56 Regent Street, Cambridge, has been transferred to larger premises at 50 Regent Street.

MR. K. H. LEE, chemist and druggist, has purchased the Rastrick business of the late Mr. S. T. Shaw, chemist and druggist, 6 Church Street, Rastrick, Brighouse.

Coming Events

This section is reserved for advance notices of meetings or other events. These should be received by Wednesday of the week before the meetings, etc. occur.

Monday, February 25

National Pharmaceutical Union, Shefficld Branch, Church House, at 8.30 p.m. Meeting.

Tuesday, February 26

Pharmaceutical Society of Great Britain, Oldham and District Branch. Whist drive and dance.

Wednesday, February 27

Guild of Public Pharmacists, Manchester Branch, Victoria Hotel, at 8.30 p.m. Dr. B. R. Bramwell (medical registrar, Manchester Royal Infirmary) on "Gastric Secretion."

Liverpool Chemists' Association and Liverpool and District Branch of the Pharmaceutical Society, Adelphi Hotel. Annual dinner and dance. Reception 7.15 p.m. for 7.30 p.m. Tickets, dinner and dance 12s. 6d. each, dance only 5s. each.

Pharmaceutical Society of Great Britain, Bath and District Branch, Lecture Theatre, Royal United Hospital, Bath, at 8.30 p.m. Dr. C. H. Hampshire (secretary of the Pharmacopœia Commission) on "New Drugs and their Standards."

Thames Valley District Pharmacists' Association, Restaurant Frascatl, Oxford Street, London, W.1. Annual dinner and dance. Reception 6.30 p.m. Tickets 12s. 6d. each.

Thursday, February 28

National Pharmaceutical Union, Manchester and District Branch, No. 1 Committee Room, Houldsworth Hall, at 8.30 p.m. Meeting.

Pharmaceutical Society of Great Britain, North Staffordshire Branch. Annual dinner.

Pharmaceutical Society of Great Britain, Sheffield and District Branch. Meeting at Swinton.

West Ham and Eastern District Association of Pharmacists, 17 Bloomsbury Square, London, W.C.1, at 3.15 p.m. Candidates for the N.P.U. (Metropolitan division) Executive election have been invited to address the meeting. All Metropolitan members of the N.P.U. are invited.

Friday, March 1

South-West London Chemists' Association, Balham Club, Ltd., Ramsden Road, London, S.W.12, at 8.30 p.m. Mr. Scarborough (National Institute of Industrial Psychology) on "Men and Jobs."

Telegrams: "Atoleine Sedist, London."

Telephone: Bermondsey 1141

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The tenth edition of this, the most complete pharmaceutical formulary in the English language, is devoted to the official and semi-official preparations of practically every country in the world. This volume (published 1929) contains 1146 pages. Price 15s. net, by post 15s. 9d.

PHARMACEUTICAL FORMULAS (P.F. Vol. II)
Published 1934. Supplementary to Vol. I, and known as "The Chemists' Recipe Book." Contains formulas for adhesives, beverages, cleaning materials, culinary and household requisites, horticultural and agricultural preparations, inks, lozenges, perfumes, photographic preparations, polishes, soaps, toilet articles, varnishes, veterinary preparations, etc., including numerous descriptions of practical methods employed in their manufacture, and other information of use to pharmacists and manufacturers. Over 1000 pages. Price 15s. net, by post 15s. 9d.

THE CHEMISTS' DICTIONARY OF MEDICAL TERMS
A small book which explains the meaning of medical terms as to which customers often inquire from chemists. In addition to concise definitions of these technical terms, notes are given on the treatment of the more important ailments. Price 3s. 6d. net, by post 3s. 8d.

THE ART OF DISPENSING
The tenth edition of this well-known work is now ready. The book has been thoroughly revised and considerably improved, while maintaining the features which have made it so popular with several generations of students. It is kept by chemists in the dispensary for ready reference in cases of difficulties arising in the course of the day's work. Price 8s. net, by post 8s. 6d.

DISEASES AND REMEDIES
Now in its sixth edition (March, 1931). It has been carefully revised by an experienced medical practitioner and parts of the book have been rewritten. Price 5s. net, by post 5s. 3d.

Published by "The Chemist and Druggist"
28 Essex Street, LONDON, W.C.2
Branch Offices: Manchester and Sheffield, England, Glasgow, Scotland. Melbourne and Sydney Australia. Auckland, New Zealand.

Information Department

INFORMATION WANTED

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated.

M/14. Dentrol tooth-brushes
N/20. Glycolecithin
F/18. June Devon face cream
D/13. Ozeline veterinary blister
F/18. Palustrex pine tar oil
H/22. Red Watch razors
B/20. Vibramalt
C/19. Dr. Whitehead's Rusks

THE
CHEMIST AND DRUGGIST
VOL. CXXII. February 23, 1935 NO. 2872

A Reasonable Demand

From various communications which have reached us, following on the letters of Mr. J. F. McNeal in our issue of February 2 and of "One Who Pays" in that of February 9, we conclude that the Pharmaceutical Society, by its Council, will be well-advised to publish as complete a financial statement as will allay the widespread resentment which has been kindled by the disclosures at the Council meeting reported in our issue of January 12. Having regard to the precise and specific terms of Mr. McNeal's letter it is, to say the least, a little surprising that no official move was made in the way of some answer —even in the shape of a promise that this demand by a member of the Society should have consideration and attention. For our own part we felt that it would only be necessary to publish the letter to secure that so *bona-fide* and reasonable a demand would be promptly and unhesitatingly complied with, seeing that it was based upon a speech deliberately made by one of the representatives of the Privy Council—a speech well calculated (as it was no doubt intended) to convey an intimation to the Society that its financial methods were in need of variation. Experienced administrators like Professor Gunn and Sir Humphry Rolleston do not speak unadvisedly.

The Present Position

What is the position now? Whatever measures may become necessary to enforce disclosure, it is certain that no temporising will avail. The demand has gone forth—and nothing could be more reasonable than such a demand —that the whole financial system and method of the Society shall be laid bare. Failure to recognise this demand will add one more absurdity to the Comedy of Errors which is being played at Bloomsbury Square; but there may come a time when comedy is turned to tragedy, and it may be hoped that those responsible for recent developments of the bureaucratic instinct at Bloomsbury Square will not allow any further developments of that undesirable tendency, but will bow to the inevitable before the storm breaks with a severity that may have far-reaching effects. The request that is now being put forward is simply for the preparation and production of a balance sheet in no way dissimilar to the balance sheet presented to any other Society by its elected Council. There can be no possible objection to this. But—and this is the whole point—there is looming in the near future very heavy expenditure as to the wisdom of which the members of the Society have not been consulted and into the details of which they have not been initiated. Preparation is being made for the scheme by a levy on members generally which is widely resented, and the attempted enforcement of which has already been marked by the erasure from the Register of something like 4,000 names of persons who hold certificates of qualification, secured and paid for by a long and (in many cases) expensive course of training followed by examination. And it is disclosed, on the responsible authority of Professor Gunn, that increases of salary representing a capital sum of £12,000 or thereabouts were recently passed "without much consideration." Full disclosure of the relevant facts is the only satisfactory course; and the sooner this is recognised and acted upon the better.

Toilet Articles in Burma

An interesting note came to us the other day from a business man in South Burma which opens up a considerable opportunity for fresh developments in the manufacture and supply of perfumery and toilet specialities. Our correspondent informs us that all Burmese women, rich and poor alike, use face powder, and the more wealthy use cosmetics to a very large extent. At the moment the Burmese market is flooded with toilet specialities of Japanese origin selling at a low price and of rather indifferent quality. If an equally inexpensive but superior article of local manufacture were available there would be, he considered, a very large sale for it. The main point appears to be cheapness combined with a fragrance pleasing to the Burmese woman. The Oriental lady apparently is not concerned with the delicate nuances of perfumery; what she really wants is a powerful scent which lasts and is at the same time pleasant. With the co-operation of British manufacturers and wholesale suppliers our correspondent thinks that this large and important market could be captured, as local suppliers at present have little, if any, knowledge of modern developments in perfumery and put out a very indifferent article at a fairly high price. He suggests that if a cheap but pleasing powder could be put up in transparent envelopes containing one to two ounces, there would be an instant demand. The container is a matter of indifference to the jungle Burmese—it is the powder they want. At the moment Japanese toilet powder is put up in decorated tin boxes, and the container must cost considerably more than the contents. Burmese ladies use a combined face cream and powder before retiring with the idea of preserving their complexions, and as this is an easy and simple preparation to make there should be considerable scope for it. Crude coconut oil is used by every Burmese woman, and there is a great demand for perfumed oils, but the cost is beyond the great majority. At the moment most women buy a bottle of perfumed oil and dilute it with two parts of coconut oil. The idea in this connection, therefore, is to make a perfumed coconut oil which can be sold in bulk. Our correspondent is open to undertake the manufacture in Burma and would like to get in touch with British producers of the basic materials.

What Every Doctor Does Not Know

A correspondent has lately sent us a letter voicing a complaint that should be non-existent. We quote his own words:—

> This morning I was handed a prescription for a simple mixture and a patent article by one of my customers, who asked me if I could dispense it. My customer then informed me her doctor had told her that the only place it could be got was at one of the prominent firms in the city. The customer was very much astonished, and gave her opinion on the doctor's information in no uncertain language.

In various Continental countries the recommendation of a particular pharmacy by a medical practitioner is explicitly forbidden. That it has never been forbidden in this country is probably due to the belief—or hope—that the ethical traditions of the medical profession are a sufficient safeguard. Evidently, however, they are not, as the incident we have instanced shows. There are two considerations that we think relevant. The first is that conduct of this kind is quite as unethical as some of the misdeeds that the General Medical Council calls "infamous in a professional respect," and for which it cites medical men to appear as accused persons. The second is that every such recommendation of a shop may, and probably does, engender in the mind of the patient suspicion of the existence of a secret commission.

A Bill for Pharmacy

By J. F. McNeal, M.P.S.

A draft Bill examined by the committee of the Harrow and District Branch of the Pharmaceutical Society, and recommended to the members at the annual meeting of the Branch on February 7

ARRANGEMENT OF SECTIONS

Section
1. Prohibition of practice of pharmacy by unregistered persons.
2. Right of certain persons to be admitted to register.
3. Pharmacy companies.
4. Power of Council to institute prosecutions.
5. Power of Council to make regulations.
6. Interpretation.
7. Application to Ireland and short title and repeal.

Schedules.

A DRAFT BILL

TO AMEND THE LAW RELATING TO PHARMACY

BE it enacted by the King's most excellent Majesty, by and with the advice and consent of the Lords Spiritual and Temporal, and Commons, in this present Parliament assembled, and by the authority of the same, as follows:—

1.—(1) No person shall, unless he is registered as a pharmacist, practise or hold himself out, whether directly or by implication, as practising or as being prepared to practise pharmacy.

(2) Any person who acts in contravention of the provisions of this section shall, in respect of each offence, be liable on summary conviction to a fine not exceeding one hundred pounds.

(3) Nothing in this section shall operate to prevent—

(*a*) the dispensing and compounding of medicines by a duly registered medical practitioner for the purpose of his professional work.

(*b*) the dispensing and compounding of medicines by a registered veterinary surgeon for the purposes of animal treatment.

(*c*) the supply and use of pharmaceutical articles by a registered dentist for the purpose of his professional work.

(*d*) the dispensing and compounding of medicines by dispensers holding certificates of the Society of Apothecaries and qualified Army dispensers, if under the personal supervision of a pharmacist, medical practitioner or veterinary surgeon.

(*e*) the work necessary to be undertaken by registered pharmaceutical students in the course of their training, if under the personal supervision of a pharmacist.

(*f*) the sale of simple household drugs in common use, and patent medicines for the preparation of which proprietary rights are claimed.

(4) For the purpose of this section there shall be appointed a Committee of the Society which shall be known as the Household Drugs Committee.

(*a*) the Household Drugs Committee shall be constituted in the manner provided by the First Schedule to this Act.

(*b*) the Committee shall as soon as may be after the passing of this Act prepare a list of simple household drugs which shall be exempted from the provisions of this Act.

2.—(1) The Council of the Pharmaceutical Society shall admit to the Register of Chemists and Druggists—

(*a*) any person who makes application in that behalf within the interim period and satisfies the Council that he

(*b*) is of good personal character; and

(*c*) was for seven years immediately preceding the commencement of this Act a proprietor of a business engaged as his principal means of livelihood in the practice of pharmacy; and

(*d*) had attained the age of twenty-eight years before the commencement of this Act; and

(*e*) satisfies the Council as to his fitness by passing a modified examination in pharmacy.

(2) Regulations may be made under this section for prescribing the manner in which applications under this section are to be made, and generally for carrying this section into effect.

(*a*) a person registered under this section shall by virtue of being so registered be entitled to take and use the title of druggist.

3.—(1) A body corporate may carry on the business of pharmacy if—

(*a*) it carries on no other business other than pharmacy or some business ancillary to the business of pharmacy; and

(*b*) a majority of the directors and all managers thereof are registered pharmacists:

Provided that—

(*c*) a body corporate which was carrying on the business of pharmacy before the passing of this Act shall not be disqualified for carrying on the business of pharmacy under this section by reason only that it carries on some other business than pharmacy or a business ancillary to that business, if that other business is a business which the body was lawfully entitled at the commencement of this Act to carry on;

(2) Save as aforesaid, it shall not be lawful after the date on which the provisions of this Act prohibiting the practice of pharmacy by an unregistered person come into operation for any body corporate to carry on the business of pharmacy, and, if any body corporate carries on the business of pharmacy in contravention of the provisions of this section, it shall for each offence be liable on summary conviction to a fine not exceeding one hundred pounds. Where a body corporate is convicted of an offence under this section, every director shall, unless he proves that the offence was committed without his knowledge, be guilty of the like offence.

(3) Every body corporate carrying on the business of pharmacy shall in every year transmit to the registrar a statement in the prescribed form containing the names and addresses of all persons who are directors of the company, and, if any such body corporate fails so to do, it shall be deemed to be carrying on the business of pharmacy in contravention of the provisions of this section.

4.—A prosecution for any offence under this Act may be instituted by the Council.

5.—(1) Subject to the provisions of the principal Acts and this Act, the Council may make regulations—

(*a*) generally with respect to the form and keeping of the Register and the making of entries and erasures therein for the registration of the description of persons entitled to be registered by virtue of this Act; and

(*b*) with respect to proceedings in connection with the renewal or restoration to the Register of persons registered by virtue of this Act; and

(*c*) prescribing the fee not exceeding three pounds for registration and an annual sum not exceeding three pounds in respect of retention on the register by virtue of this Act; aud

(*d*) prescribing the fee not exceeding three pounds in respect of registration of premises where the practice of pharmacy is carried on by virtue of this Act.

(2) Regulations made by the Council under this Act shall be submitted for the approval of the Privy Council, and no regulations shall have effect until they have been approved by the Privy Council.

6.—(1) In this Act, unless the context otherwise requires,

the expression "prescribed" means prescribed by regulations made under this Act:

The expression "interim period" means the period between the commencement of this Act and the date on which the provisions of this Act prohibiting the practice of pharmacy by unregistered persons comes into operation, or such longer period as the Council may, on an application made at any time within two years after the date aforesaid, allow in the case of any person as respects whom the Council are satisfied that there were valid reasons for the failure to make an application before that date.

The expression "Council" means the Council of the Pharmaceutical Society of Great Britain.

The expression "registrar" means the registrar of the Pharmaceutical Society of Great Britain.

The expression "patent medicines" shall mean those preparations for which proprietary rights are claimed.

(*a*) References to a body corporate shall be deemed to include references to a firm, and in the application to a firm of any provisions regarding a body corporate a reference to a director shall be construed as a reference to a partner.

(2) For the purpose of this Act, the practice of pharmacy shall be deemed to include the dispensing and compounding of medicines:

(*a*) the preparation and manufacture of such articles for the treatment of human ailments as are usually performed in a pharmacy;

(*b*) the sale by retail of those articles contained in the British Pharmacopœia and the British Pharmaceutical Codex;

(*c*) any advice or treatment in connection with the sale or supply of the aforementioned articles or preparations.

7.—(1) This Act does not extend to Northern Ireland.

(2) This Act may be cited as the Pharmacy Act, 1935, and the Pharmacy Acts and this Act may be cited together as the Pharmacy Acts, 1852 to 1935.

(3) This Act shall come into operation on the appointed day, and the appointed day shall be such day as his Majesty may by order in Council appoint, and different days may be appointed for different purposes and for different provisions of this Act.

(4) The enactments mentioned in the Second Schedule to this Act are hereby repealed to the extent specified in the third column of that Schedule.

SCHEDULES

FIRST SCHEDULE

Proceedings of the Household Drugs Committee

1. The quorum of the Household Drugs Committee shall be five, of whom the chairman shall be one, and the Committee shall, subject as hereinafter provided, have the power to act by a majority of the members present.

2. In the case of an equality of votes, the chairman of the Committee shall have a casting vote.

3. The Household Drugs Committee may make regulations as to the procedure to be followed by it in exercising the jurisdiction conferred on it by this Act, but no such regulation shall have effect until confirmed by the Privy Council, and the Privy Council may confirm such regulation either with or without modifications.

4. The appointed members of the Committee shall hold office for a term of three years.

5. If the place of an appointed member of the Committee becomes vacant before the expiration of his term of office, whether by death, resignation or otherwise, the vacancy shall be filled by appointment by the body or persons by whom the vacating member was appointed, and any person appointed to fill a casual vacancy shall hold office so long as the member to whose place he was appointed would have held office.

6. Any appointed member ceasing to be a member of the Committee shall be eligible for reappointment.

7. The powers of the Committee may be exercised notwithstanding any vacancy among its members.

8. The Committee shall consist of twelve members.

9. The Committee shall be composed of the following persons, namely:—

One person appointed by the Royal College of Physicians of London.

One person appointed by the Royal College of Physicians of Edinburgh.

One person appointed by the General Medical Council.

One person appointed by the Minister of Health.

One person appointed by the Secretary of State for Scotland.

One person appointed by the Secretary of State for the Home Department.

Three persons appointed by the Council of the Pharmaceutical Society of Great Britain.

Three persons appointed by the Delegates' Conference of the Pharmaceutical Society of Great Britain, who shall be persons wholly engaged in the business of a chemist and druggist.

SECOND SCHEDULE

To be completed when members of the Society have discussed the Bill and alterations, if any, have been made.

Sore Throats

Some Hints by a Doctor on a Subject Requiring Great Caution

THE chemist should at all times observe a certain degree of caution over sore throats. But it should be redoubled if cases of scarlet fever or diphtheria are known to have occurred in the district. Every sore throat in a child has possibilities: either of those two fevers must begin as a simple sore throat. Now, it is important that both these should be detected at the earliest possible moment. For the child's sake it may be vital; to the general community it may mean a further spread of infection, and mistakes have an awkward habit of coming home to roost. A mistake is not quickly forgotten, and it is very easy to make one. The chemist or doctor who lightly treats a sore throat with a gargle for a day or so, which then turns out to be diphtheria, does not enhance his reputation. May I then offer a few practical hints?

(1) If a child, with a sore throat, is also distinctly feverish it is safer to tell the mother to take it home to bed and call in a doctor. That sore throat may well be a "herald" of worse to follow. (2) If a child, with a sore throat, has a flushed face and also a "strawberry" tongue (i.e. a tongue with a creamy fur on it through which pink dots are visible, you should also send it home and advise a doctor's opinion. That is how scarlet fever begins. (3) As already stated, diphtheria begins as a simple sore throat, which may last a day or two and, in mild cases, the child may not be particularly ill or feverish at first. But diphtheria may be present all the same, and the stage at which it is first treated by antitoxin makes all the difference in the result. So just note these points. If it is diphtheria, or going to be, the child's breath has a peculiarly "mousey" odour that should be quite characteristic. Or, if you see, as you may do, any dirty greyish patch about the tonsil or uvula, no matter how small, it is very likely diphtheria. Again, if you learn that the child's nose has bled during the last day or two, be on your guard. All these are practical and important points.

Whilst the diagnosis of diphtheria or scarlet fever is quite easy in pronounced cases, it may be extraordinarily difficult in slight ones. In the case of diphtheria only a "swab" test will settle the point at an early stage in many cases. To illustrate the difficulty I may mention that at fever hospitals many cases are sent in that are incorrectly diagnosed, of scarlet fever at least. Even so, it is better to diagnose scarlet fever incorrectly than to miss it altogether. Even the rash may not help. It may be so slight and fugitive as to make it almost impossible to say if it is there or not, especially by artificial light.

DR. CHASE MEDICINE CO. has purchased the uncompleted factory and office building erected by Heaters of Canada, Ltd., at Oakville, Ontario.

A Codex Discussion at Edinburgh

THE fourth meeting of the winter session of the North British Branch of the Pharmaceutical Society was held at 36 York Place, Edinburgh, on February 15, Mr. David Harley (chairman of the Executive) presiding.

THE CHAIRMAN said this meeting had been arranged in conjunction with the Edinburgh and Leith Division of the British Medical Association, and in that connection he desired to acknowledge the courtesy of Dr. John Hunter, local secretary for the Division. They had to welcome Mr. H. Berry, who had been in very close touch with the production of the British Pharmaceutical Codex. He had pleasure in calling upon him to open the discussion with a paper on

The British Pharmaceutical Codex, 1934

By HARRY BERRY, B.Sc., A.I.C., PH.C.

[ABSTRACT]

THE Codex has not the limitations of a pharmacopœia. It deals with the materia medica of the British Empire, including old drugs and preparations which have ceased to have official recognition, and new drugs which are of too recent origin for inclusion in the Pharmacopœia. The modern nature of the drugs is probably best illustrated by dealing with one of the more recent additions to medicine. For example, oestrin; the Codex account of this substance is most complete, and brings our knowledge up to date. Two other biological products may be mentioned, neither of which has reached the precision necessary for official recognition. These are a liquid extract of parathyroid and a liquid extract of suprarenal cortex. The standards laid down in the Codex for these two important preparations ensure a certain amount of activity, although neither is definitely adjusted.

THE VITAMINS.—A most important contribution is the Codex preparation for vitamin A, liquor vitamin A, which is the counterpart to the B.P. liquor ergosterolis irradiati, vitamin D. It is a very definitely standardised preparation, and physicians should welcome its appearance, as it fills a very definite want. The extract of malt with vitamins, containing 1 per cent. of liquor vitamin A and 1.5 per cent. of liquor ergosterolis, B.P., with extract of malt, is a really good preparation of definite potency, and one which should commend itself to the prescriber. The Codex has also expressed opinions on the average vitamin content of cod-liver oil, although it naturally cannot lay down any standards for this official substance. Similarly with halibut-liver oil, the Codex expresses the opinion that this oil has usually 2,000 units of vitamin D, and that it is frequently adjusted by the addition of cod-liver oil to produce a vitamin A content equal to about sixty times that of cod-liver oil. No official Codex preparations for vitamin C are put forward, except fresh orange and lemon juice, and their concentrated preparations. It will probably come as a shock to many pharmacists to note the great stability of such a thing as lemon juice, which the Codex says is stable at room temperature for at least fourteen months, if the *pH* is kept at its natural acidity point of 2.2, even although it may be heavily infected with moulds and yeast. For vitamin B the Codex only offers yeast, although other preparations are mentioned. Other interesting preparations in the Codex are the two sclerosing solutions for injection, injection of sodium morrhuate, and injection of quinine and urethane.

PEPTONE.—It is very difficult to set a standard for this very variable substance with its variable uses. Its different methods of manufacture inevitably result in different products. For injection purposes the pharmacist is mainly concerned with having a peptone free from histamine, but it is difficult to formulate a test to limit the histamine content. The Codex merely says that it should be free from more than traces of histamine.

DIGITALIN.—Digitalin of the Codex is now a standardised digitalin, for a biological assay has been introduced whereby this mixture of glycosides is assayed and standardised.

Other injections include injection of camphor, and an injection of camphor and ether with full details as to their method of preparation and sterilisation, except that the Codex fails to mention that in the injection of camphor the container should be sealed so as to prevent loss of camphor during the sterilisation process. The Codex in its formulary section lays down some very interesting rulings and suggestions with regard to dispensing and prescribing. A number of old formulas have been altered in this edition of the Codex. Finally, pharmacists and physicians will be interested in the appendices at the end of the book.

THE CHAIRMAN then called upon Dr. John Orr, Dean of the School of Medicine of the Royal Colleges, Edinburgh, to present a paper on

Medical Aspects of the British Pharmaceutical Codex, 1934

By JOHN ORR, M.D., F.R.C.P.

[ABSTRACT]

Dr. John Orr said the British Pharmacopœia was not a book that was consulted to any extent by medical practitioners. The Codex, on the other hand, furnished in one volume a great amount of useful *ad hoc* information which could not be got in any other place. In the Codex they had a very complete and accurate description of the macroscopical and microscopical characters of drugs. He thought that from this point of view it would be of great value to the medical jurist in many criminal investigations. They had also clearly detailed the activities and uses of drugs and the most appropriate methods of administration. Dr. Orr gave several examples of the extreme usefulness of the Codex. They had also, he said, no less than 370 pages devoted to a Formulary, so that one could discover an appropriate treatment for almost any case of illness that arose. Another feature which he valued as a teacher was the excellent way in which the Codex described the various preparations, such as elixirs, colloid solutions and emulsions. He had a very high opinion of the Codex, which contained an amazing amount of perfectly good information.

Discussion

DR. WILKIE MILLAR (vice-chairman of the Edinburgh and Leith Division of the British Medical Association) said he did not propose to discuss the Codex, but he might say he had enjoyed the addresses to which he had listened and was almost persuaded to purchase a copy of the book. On behalf of the Division, he desired to thank the Executive of the Society for their hospitality.

DR. A. P. ROBB said he would like to ask when there would be a new edition of the Codex. Books of this kind very soon came to be out of date.

MR. THOMAS WILSON said the Codex might be described as several books, including chemistry, pharmacognosy, action and uses, formularies and much other useful knowledge. The pharmacists would be pleased if the medical practitioner consulted the Codex in connection with prescribing.

MR. A. B. GILMOUR (Central Checking Bureau, Glasgow) said certain practical points had arisen in his experience which might be mentioned. He was glad to notice that chlorodyne, B.P.C., had now been deleted and was given as a synonym for tincture of chloroform and morphine, B.P.C., which was the former tincture of chloroform and morphine, B.P., 1885. That removed what had been the cause of much misconception and misunderstanding. He noticed that ung. oleo-resin. capsici co. was deleted as such but now given as a synonym for ung. capsici co. It was doubtful if that was a wise change. He noted also that in the case of argenti proteinas and argenti proteinas mite there was a possibility of misunderstanding. He regretted noticing that lin. meth. salicyl. simp. had got into the B.P.C. They had also emuls. paraffin. alk. and mist. magnes. hydrox. et paraffin. liq. These preparations were so similar in composition and designation as to make it doubtful whether prescribers would remember which was which.

DR. F. W. KERR said he represented something like fifty-four panel committees in Scotland; he had learned much from the addresses, and had to congratulate them on the excellent arrangement of the meeting. He had to say, however, that while the Codex and all these preparations were excellent, panel practitioners were tied down to a minimum of expenditure, and if they exceeded that amount they were bound to be in trouble. They might not, therefore, be able to use the Codex preparations in the manner that had been suggested.

DR. DOUGLAS GUTHRIE said as a specialist in ear, nose and throat maladies he had to use Lipiodol, an expensive French

preparation. He understood that in America they had a substitute made with poppy-seed oil. There was another French preparation, Gomenol, and he would like if Mr. Berry could give any information as to suitable less expensive substitutes for these proprietary articles.

Mr. Rutherford Hill said he would like to refer to the statement made by Dr. Kerr. It was a complete misunderstanding to say that in Scotland they were tied down to a minimum expenditure for N.H.I. medical treatment. As a matter of fact they had a guarantee that everything prescribed would be paid for in full. What Dr. Kerr was probably alluding to was the request of the Department of Health for Scotland that prescribers should avoid extravagant expenditure on drugs which were not necessary or beneficial in the proper treatment of sickness. It ought certainly to be clearly understood that none of the Codex preparations which were shown at the meeting and to which Dr. Kerr referred were such as to bring any panel practitioner into trouble by prescribing them. They had all been very carefully thought out from every point of view.

The Chairman said the hour for closing the meeting had now arrived, and he was aware that several persons present were prepared to take part in the discussion, but it would be hardly fair to call upon them at such a late hour. He put it to the meeting that they should endeavour to arrange another meeting at which the discussion could be continued, and this suggestion was unanimously accepted. He called upon Mr. Berry to reply.

Mr. Berry said, with regard to the point about the next edition of the Codex, the Committee had been reconstituted and everything was in hand for the preparation of a new edition. With regard to silver proteinate and weaker silver proteinate, the silver content was really no indication of activity. With regard to the names of preparations, there had been a great deal of trouble on account of the National Formulary cutting across the recognised names. With regard to Lipiodol, no official preparation was included in the B.P. or in the B.P.C. because there was not sufficient knowledge of the precise composition of the substance.

Dr. R. W. Craig, Scottish Medical Secretary for the British Medical Association, in moving a vote of thanks to Dr. Orr and Mr. Berry, said he appreciated the privilege of being present at the meeting. He believed this was the first occasion on which there had been a joint meeting of a branch of the Pharmaceutical Society with the local division of the British Medical Association, and he thought that was a significant and valuable development. He agreed with Dr. Wilkie Millar as to the cordial relationships between the medical and pharmaceutical professions in Scotland, and such meetings tended to further this very desirable relationship.

Dr. D. McCall, Ph.C. (Dundee), seconded the vote of thanks, which was passed with acclamation, and Mr. Berry replied.

It was agreed that the discussion should be resumed at a meeting which has been arranged for March 8.

Pectin in Medicinal and Toilet Preparations

By Maison G. de Navarre, Ph.C., B.S.

Pectin is contained in most fruits and vegetables, particularly in citrous fruits and apples. The form found on the market is the powder of definite jellying strength, labelled 80, 100 or 160 grade and so forth, these figures indicating the pounds of sugar that can be converted into a standard jelly under standard conditions with a given amount of it. The word pectin is generic rather than specific, as pectins from different sources vary in chemical composition. The citrous one is supposed to contain more uronic groups in its structure than other types. Chemically, pectin is a methyl uronide, which upon partial oxidation changes to a hemicellulose, and on additional oxidation and decarboxyllation it yields lignin. Unlike the swelling of karaya and tragacanth, pectin dissolves in water to produce a colloidal solution. It behaves more like gum acacia, only that its Ostwald viscosity (10 per cent. solution) is practically ten times greater. This fact immediately suggests its use in place of acacia in emulsions. Citrous pectin produces clearer and lighter coloured sols than those of apple pectin, the latter being brownish in colour, but if the same grade pectin is used, the viscosity of the 5 per cent. solution is practically the same. Apple pectin has a slight odour, whereas citrous pectin has none, which may or may not be due to the method of manufacture rather than to the pectin itself. Numerous patents have been issued for the production of pectin from fruits and vegetables as well as for finished products containing pectin. Ordinarily pectin is extracted with water and precipitated with alcohol, the process or technique varying with the letters patent.

Pectin sols are slightly acid in reaction (the *p*H of a 5 per cent. solution being about 5.00) and are intended for preparations with an acid reaction, being especially useful with medicaments active in acid media, such as chlorthymol and chlorcarvacrol. In the presence of alkalies hydrolysis takes place and the viscosity of the solution decreases proportionately.

Pectin is useful in laxative preparations because of its ability to produce bulk, and it is claimed that the effect of apples in constipation is due entirely to the pectin content. Pectin is valuable as an emulsifying agent for essential oils. The greater the amount of essential oil used the less pectin necessary to emulsify it. The following formula is useful:—

Pectin 100 grade	5 parts
Essential oil	15 parts
Distilled water	75 parts
Glycerin	5 parts

Add the pectin to the oil. Separately mix the water and glycerin. Place the pectin-oil mixture in a rapid agitator and add the water quickly. Stir for about five minutes and allow to stand for a short time before again stirring for about five minutes. Such an emulsion can be used for flavouring syrups and so forth.

When triturated with solid petrolatum, pectin causes the mass to absorb large quantities of water, the resulting mixture being an emulsion of oil in water. A 5 per cent. glycerol-pectin sol is an excellent base for nasal and vaginal jellies. For nasal jellies menthol and the usual aromatics are used. For vaginal jellies the best media is acid with the usual medicaments. The recent discovery that tannic acid is valuable in the treatment of burns finds an application for pectin. A gel of desirable consistency is made and in it is dissolved (the equivalent of 2 per cent. tannic acid) benzocaine tannate with sufficient antiseptic that is compatible with the tannate. The preparation is best packed in collapsible tubes, light decomposing the tannate. Pectin can be successfully used to emulsify fixed oils and liquid petrolatum. For this purpose 2.5 per cent. of pectin will emulsify 25 per cent. of oil in water. The gum is best mixed with the oil, to which mixture water is added under rapid agitation. For greater permanency the emulsion should be homogenised. Mucilages of pectin are best made by mixing the dry pectin 1 part with 4 parts of anhydrous alcohol or glycerin. This mixture is then added to water with constant stirring. The pectin referred to throughout is of 100 grade.

Pectin is useful for the production of bandolines and other hair preparations. When used together with karaya gum a good hair-waving fluid is produced, the ratio being 1 of pectin to 8 of karaya gum. To make a concentrated wave set, take one part of the above mixture and suspend in 1 part of anhydrous alcohol or glycol and preserve properly. Two ounces of such a mixture when added to 1 pint of very hot water produces an effective waving fluid, the viscosity of which can be regulated by the amount of water used. In acid after-shaving lotions 1 per cent. of pectin is a desirable addition. With lemon juice it produces a useful hand lotion, the amount of pectin being regulated by the consistency desired. Pectin can be used with karaya gum in other acid reacting hand lotions. For suntan lotions, pectin with lemon juice and other acid reacting fluorescent bodies is readily mixed to produce an effective preparation. Pectin is a useful binder in toothpaste, having an acid reaction. With lemon juice it serves as a beneficial face mask, which is painted on the skin and allowed to dry. After a desirable length of time the mask is washed off with warm water. Such a mask is astringent and mildly bleaching in its action.

Pharmaceutical Society of Ireland

Council Meeting

THE February meeting of the Council was held on February 11, the president (Mr. David Warwick) in the chair. Other members of the Council present were Messrs. J. F. Costello, M. J. Kieran, P. Brooke Kelly, Sir Thomas Robinson, Dr. J. A. Mitchell, Miss F. M. Flood, Messrs. J. A. Duggan, T. J. Smith, K. Whelehan, J. A. O'Rourke, M. J. Parkes, J. Gleeson, J. T. Dwyer, C. Cremen and P. C. Cahill. Apologies for inability to attend were received from Mr. Fitzpatrick, Mr. Fielding and Mr. Boyd.

GREETINGS

Greetings were received from the Melbourne College of Pharmacy and the Smithsonian Institute.

COUNCILLOR'S LOSS

Mr. B. P. Hickey wrote thanking the Council for their expression of sympathy with him on the death of his father.

POISON LICENCES

Mr. R. J. Kidney (secretary, Dublin and Provincial Retail Drug Association) wrote forwarding a letter received from a Southern chemist, and stating that his Committee were of opinion that the matter raised in the communication was one which should be taken up by the Society. The letter inquired why a hardware merchant in this Southern town should have been given a licence to sell sheep dip, when there were already four chemists' shops and a veterinary surgeon in the town, which had a population of 2,500.

THE REGISTRAR (Mr. J. J. Kerr) said the intention of the Legislature was that local authorities should only issue licences where there were no facilities for obtaining sheep dip or similar commodities. The Act, unfortunately, was loosely drafted and there was no way of preventing cases like that mentioned.

SIR THOMAS ROBINSON suggested that chemists concerned should be informed that it was open to them to make a complaint to the local authority.

The Council approved of the draft reply submitted by the registrar.

CHANGE OF NAME

Mrs. C. E. O'Hara (*née* Canton), L.P.S.I., wrote submitting marriage certificate and desiring change of name in the Register. The application was granted.

PRELIMINARY REGISTRATION

The following, who submitted Matriculation certificates, were granted preliminary registration: Misses N. P. Bygrove, H. Doyle and M. Smith, Messrs. J. J. O'Leary and T. A. Whelan.

CHANGES OF ADDRESS

The following changes of address were notified:—

Miss E. Carey, M.P.S.I., from Roselton, Victoria Road, Cork, to 5 Swords Road, Whitehall. Mr. M. G. Durcan, M.P.S.I., from McKane's Medical Hall, Ballina, to Bridge Street, Ballina, co. Mayo. Mr. V. M. Good, L.P.S.I., from Macauley's Pharmacy, Ballinasloe, co. Galway, to A. E. Breakspear, Ltd., 46 King Street, Maidenhead. Mr. F. P. Armstrong, L.P.S.I., from 426 Sutton Road, Southend-on-Sea, to 69 Thurlestone Avenue, Longbridge Road, Ilford. Mr. M. Byrne, L.P.S.I., from Doon East, Ballybunion, co. Kerry, to 3 Victoria Place, St. Austell, Cornwall. Mr. W. J. Magee, assistant, from 11 Wellington Place, Clyde Road, Dublin, to c/o Mr. Hugh Weir, M.P.S.I., 27 Pearse Street, Mullingar.

REGISTRATION AND RESTORATION

Dr. John Browne Fleming wrote submitting the certificate of L.A.H. and requesting registration as a pharmaceutical chemist. The application was granted.

Mr. John C. Loughnane submitted a declaration and asked that his name, which had been removed under Section 25 of the 1875 Act, be restored to the Register. It was directed that the name be restored.

REPORTS FROM COMMITTEES

The House Committee's report, which was adopted, contained a recommendation that Mr. Cahill and the registrar be empowered to arrange to have all the Society's insurances transferred to the New Ireland Insurance Company.

Arising out of the Law Committee's report on the recent income-tax case, in which a decision against the Society was given, the Council authorised under seal that the legal adviser take such steps in the matter of an appeal as might be advised by counsel.

On consideration of the Schools Committee's report the withholding of approval of the Cork Technical School's course in pharmacy was considered.

The registrar read a letter received from Mr. D. J. O'Hanlon, chairman of the Cork and County Chemists' Association, on the Cork Technical Schools. The Schools Committee submitted a report on the matter. After some discussion the report was unanimously approved on the motion of THE PRESIDENT, seconded by MR. COSTELLO, and it was decided to have a copy sent to the Cork and County Chemists' Association.

The examiners' reports on the recent Licence, Assistants' and Registered Druggist examinations were submitted and noted.

DEATHS AND SECTION 25 CASES

The registrar reported on the deaths of A. N. Yoxall, L.P.S.I.; J. Johnston, L.P.S.I.; Miss Evelyn Briggs, R.D.

The removal of Isaac M. Fisher, Ph.C., under Section 25 of the 1875 Act was reported by the registrar. The registrar submitted the following list of persons to whom Section 25 letters had been sent without result: Messrs. P. J. O'Grady, Ph.C., and assistant; R. Lyons, chemist and druggist; H. L. Brown, R.D.; R. Davison, R.D.; J. F. Dunwoody, R.D.; P. M. Joyce, R.D.; W. A. McAloney, R.D.; A. Cullinan, assistant; W. Cromie, assistant; J. O'Riordan, assistant; P. F. Ryan, assistant.

A CHANGE OF DATE

THE PRESIDENT moved the following motion standing in his name, which was unanimously agreed to: "That on account of the date of the Licence examination falling on Good Friday, the registrar be instructed to give notice that the examination be postponed to Easter Tuesday and the following days, and to make arrangements accordingly."

PRELIMINARY EXAMINATION

MR. O'ROURKE moved: "That the Preliminary Regulations be amended by deleting the words 'a period of three years from January 10, 1935,' and inserting in lieu thereof 'a period of ten years from January 1, 1935.'" Mr. O'Rourke said he proposed the motion to put this matter of the Preliminary in order. Some people had a faint hope that they would go back to the old "Prelim." It was just as well to let them know that there was no possibility of going back.

MR. BROOKE KELLY seconded the motion, which was passed.

PRESENTATION OF CERTIFICATES

MR. J. K. WHELEHAN moved: "That the successful Licence candidates be asked to attend the next meeting of the Council to receive their certificates, and that a subcommittee be appointed forthwith to elaborate a ceremony suitable to the occasion, and that such ceremony be carried out in future at the appropriate Council meeting."

The motion was agreed to, and Miss Flood, Mr. O'Rourke and Mr. Whelehan were constituted the subcommittee to arrange the ceremonial.

ELECTION AND NOMINATIONS

Mr. J. C. Walsh, 92 Upper Drumcondra Road, Dublin, was elected a member of the Society.

The following were nominated for membership: Miss E. Carey, 5 Swords Road, Whitehall, Dublin; Messrs. E. D. Attwooll, 14 Iona Drive, Glasneven; S. McNamara, Glenamaddy, co. Galway; E. J. Toomey, 15 Great Denmark Street, Dublin; D. Woulfe, Medical Hall, Kilcock.

LICENCES SEALED

The Pharmaceutical licences of the following were signed and sealed: Messrs. S. J. Citron, P. Coleman, J. F. Cranitch, T. F. Kelly, M. G. Murphy, Miss O. M'Farland, A. B. Smith, R. G. C. Urch.

Pharmaceutical Society of Northern Ireland

Council Meeting

THE monthly meeting of the Council of the Pharmaceutical Society of Northern Ireland was held on February 15 in the offices of the Society, 73 University Street, Belfast, the president (Mr. Fred Storey) in the chair. There were present also Messrs. J. E. Connor, S. S. Badger, W. C. Tate, H. F. Moore, S. H. Forrest, J. T. Nicholl, Charles Abernethy, Professor Small, and Dr. S. E. A. Acheson. Mr. David Kirkpatrick (secretary) was in attendance. Apologies for absence were received from Sir Thomas McMullan, Mr. W. S. Taylor (vice-president), Mr. J. F. Grimes and Mr. R. I. Edwards.

A Question of Procedure

Arising out of the minutes, PROFESSOR SMALL asked if the appointment of examiners should not come before the Education Committee before it came to the Council. He observed that the appointments were on the agenda for that meeting of the Council.

THE SECRETARY said that the Council made the appointments.

PROFESSOR SMALL: But they have always come before the Committee first.

When the item on the agenda was reached, THE PRESIDENT said that it could go first to the Education Committee, which would submit its recommendations. There was ample time.

MR. MOORE: Do you intend to advertise?

THE PRESIDENT: It is for the Education Committee to recommend what they want.

Gifts to the Society

THE SECRETARY reported the receipt of the Register of the Pharmaceutical Society of Great Britain, the "Quarterly Journal of Pharmacy and Pharmacology," the examination papers of the Pharmacy Board of New South Wales, and a framed original certificate of a provincial English apothecary, dated 1831, from Mr. Howard Bayles, Hamlet Gardens, London, W.6. The business from which the certificate came was founded in Ipswich in or just before 1800, and Mr. Bayles was a partner in it from 1896 to 1901. Thanks were tendered to the donors. It was decided to have a brass tablet affixed to the frame with the history of the certificate and the name of the donor.

THE SECRETARY said most of their donations to the museum were suitably inscribed.

MR. BADGER said there should be brass tablets on all the gifts if possible, and this was agreed to.

The Poisons Schedule

The following letter from the Ministry of Home Affairs, signed by an Assistant Secretary, dated January 31, was read:—

I am directed by the Minister of Home Affairs to draw the attention of the Council of the Pharmaceutical Society of Northern Ireland to the fact that recently there have been added to Part I of the Poisons Schedule in Great Britain the following substances:—

Dinitro phenols; dinitro cresols; preparations or admixtures containing dinitro phenols; preparations or admixtures containing dinitro cresols.

Phenylcinchoninic acid, its salts, its esters; derivatives of phenylcinchoninic acid, their salts, their esters; preparations and admixtures containing phenylcinchoninic acid, its salts, its esters; preparations and admixtures containing derivatives of phenylcinchoninic acid, their salts, their esters.

The question of having these substances added to the Poisons Schedule in Northern Ireland is one, in the opinion of the Ministry, requiring careful consideration, and I have, therefore, been requested to place the matter before your Council pursuant to Section I of the Poisons (Ireland) Act, 1870, as amended by Section 24 (3) of the Pharmacy and Poisons Act (Northern Ireland), 1925.

THE SECRETARY said a resolution would have to be passed by the Council and also by Queen's University, to whom the Ministry had also written.

THE PRESIDENT: They are following Great Britain.

DR. ACHESON: Their Poisons Board can add anything.

THE SECRETARY said that at the present time a grocer could sell these preparations.

On the motion of MR. FORREST, seconded by MR. BADGER, the necessary resolution was passed, and the secretary was directed to notify Queen's University.

THE PRESIDENT said this was for Part I of the Poisons Schedule. What they wanted was other things added to Part II.

Tribute to Londonderry

THE PRESIDENT said that since the last meeting the Derry Chemists' and Druggists' Association invited him to their annual dinner, which he attended. They had a pleasant and successful function, and he had the honour of responding to the toast of "The Pharmaceutical Society of Northern Ireland." He was asked to convey their good wishes to the Society and their desire to help the Conference in every way possible. A social function of that kind would do good occasionally in Belfast. (Hear, hear.) The Derry chemists seemed to be a very happy family, and they had carried out the function very satisfactorily.

Recent Libel Action

Reference to the recent libel action by the Council was made by THE PRESIDENT, who said that he was sure the members had read with satisfaction the result of the legal proceedings. They had been reluctantly compelled to take action to vindicate the honour and dignity of the Council. They did not wish to be vindictive in any way. They had asked for an apology, and could not but admire the full and ample apology and withdrawal that was made by the proprietors of "The Irish Chemist and Druggist," which had paid the costs of the proceedings. Had the apology been made earlier to the Society they would have been quite willing to have accepted it as a vindication of the position. None of them, and certainly not himself, had been keen on legal proceedings, but they could not allow such a letter to go uncontradicted, and he thought they had vindicated their position. They were not out for damages, and the action would not cost the Society anything.

Letter of Condolence

It was decided to send a letter of condolence to the widow of Mr. Robert Baillie, chairman of the Ulster Tourist Development Association, who had died suddenly.

THE PRESIDENT said Mr. Baillie's death was a great loss to Ulster. He had rendered the Society great service in connection with the Conference guide.

Joint Meeting Suggested

DR. ACHESON said that the British Medical Association had suggested a joint meeting with the pharmacists should be arranged and some one could come over from Bloomsbury Square to give an address on the Codex or some other pharmaceutical topic.

PROFESSOR SMALL said it was the business of the Council to arrange scientific lectures.

THE PRESIDENT said he thought the Council would be the body to deal with it.

DR. ACHESON said he had put Mr. Kirkpatrick in touch with the secretary. The matter had been mentioned at the monthly meeting of the B.M.A.

Members and Students Elected

On the motion of MR. BADGER, seconded by MR. CONNOR, the following nominated candidates were elected members of the Society:—Greene, Emma F., Raheen, Moate, co. Westmeath. Small, Robert P., 26 Crumlin Gardens, Belfast.

The following candidates were elected students of the Society, on the motion of MR. BADGER, seconded by PROFESSOR SMALL:—Beattie, Arthur, Arborfeld, Ballymoney. Davie, James, Dromore Road, Hillsborough. Donaghey, Hugh, 3 Ballymoney Street, Ballymena. Finnegan, Annie, Rosemount, Norfolk Drive, Belfast. Gray, Thomas, Ballinacross, Knockloughrim, co. Derry. Hanlon, Theresa I., Market Street, Downpatrick. Kerr, Samuel A., The Oaks, Laurencestown, co. Down. Kerrigan, John, 31 College Square North, Belfast. Nesbitt, Charlotte E., Claremont Street, Belfast. Orr, Samuel, Greencastle Street, Kilkeel, co. Down.

Trade Report

Where possible scales of prices of chemicals are given for bulk down to small quantities. Prices recorded for crude drugs, essential and fixed oils and coal tar products are for fair sized wholesale quantities. Qualities of chemicals, drugs, essential and fixed oils, etc., vary, and selected brands or grades would be at higher values.

28 Essex Street, W.C.2, February 21

WHILE some markets are experiencing a continuance of the generally improved demand recorded throughout January, others appear to be attracting but a very limited volume of business. On the whole the demand, which is coming chiefly from consumers, is fairly satisfactory and the general level of values is keeping steady. During the week some of the Continental exchanges have touched very low levels, but close about unchanged. A further week of steady markets and average business has to be recorded in pharmaceutical chemicals. In the crude drugs section the speculative markets continue to be overshadowed by recent events in the leading spice market ; some of the other commodities, however, are meeting with a steady demand and conditions are fairly satisfactory. So far the effect of the breakdown in the PEPPER market on other commodities is negligible. AGAR is scarce on spot, with nothing for shipment before March. CAPE ALOES are firm for shipment ; CURAÇAO have been in good demand on spot and are running short ; firm forward. New crop BUCHU is very steady for shipment. DAMIANA LEAVES are cheaper on spot for new crop. RHUBARB has been in better demand. SENNA, in modest demand, is keeping steady. TONQUIN BEANS are again dearer and short on spot. Business in essential oils has been maintained on a very fair scale, interest in CITRUS oils being a feature. ANISE is firm on a short spot market. New crop BERGAMOT is fully steady. The spot market appears to be bare of CANANGA. Madagascar CLOVE continues firm forward. GINGERGRASS is sharply dearer. New crop Sicilian hand-pressed LEMON is still being inquired for and prices are keeping up well. LEMONGRASS is dull and easier. West Indian LIME is a strong and dearer market forward. Very few firm offers of new crop French Guinea ORANGE ; spot stocks are small and dearer. PALMAROSA is again dearer forward with comparatively cheap spot offers. No shipment offers of Singapore PATCHOULI. SPEARMINT is steadier and in rather better demand. In the fixed oils group business has been quite good, with the tone firm in most products. PALM oils are sharply dearer. LINSEED is at better figures. GROUNDNUT shows a further advance. American TURPENTINE is steady but quiet. The deputation of representatives of firms interested met the chief officials of the Import Duties Advisory Committee on the subject of the applications for some forty crude drugs to be added to the Free List, under the Import Duties Act, 1932, on Friday, February 15, and it is anticipated this conference will shortly have the desired effect of avoiding further delay and inconvenience to the drug trade.

Exchange Rates on London

THE following is a list of the chief Continental and other exchange rates at the opening on Thursday morning:—

Centre	Quoted	Par	February 21	Value of the £
Amsterdam ...	Fl. to £	12·107	7·20½	11/11
Berlin	Mks. to £	20·43	12·13	11/10¾
Brussels	Belgas to £	35	20·86	11/11
Copenhagen ...	Kr. to £	18·259	22·40	24/8
Lisbon	Esc. to £	110	109¾	19/11¾
Madrid	Ptas. to £	25·22½	35¾	28/2
Milan	Lire to £	92·46	57 23/32	12/5¾
Montreal	Dol. to £	4·86⅔	4·88¾	20/1
New York	Dol. to £	nominal	4·88¾	20/1
Oslo	Kr. to £	18·159	19·90½	21/11
Paris	Fr. to £	124·21	73 25/32	11/10¾
Prague	Kr. to £	164·25	116½	11/11
Stockholm	Kr. to £	18·159	19·39½	21/4
Warsaw	Zloty to £	43·38	25¾	11/11
Zurich	Fr. to £	25·2215	15·06	11/11¼

Bank rate 2 per cent.

Pharmaceutical Chemicals, etc.

GENERALLY steady conditions continue in this market, with no change of importance to record. The volume of business being transacted is on a fairly good scale. Phenacetin is holding up to the recent better tone.

ACETANILID.—Market steady ; business quiet: B.P. crystals and powder, 1s. 5½d. to 1s. 8d. per lb., as to quantity.

AMIDOPYRIN.—Business on spot has been rather better ; market steady forward: spot, crystals, five cwt., 17s. 2¼d.; two cwt., 17s. 6½d., less than two cwt., 18s. per lb., ex store, duty paid. Powder, 2½d. per lb. extra. Export prices quoted f.o.b. Continent, as follows: five cwt., 15s. 6d.; two cwt., 15s. 10d.; less than two cwt., 16s. 3d. per lb., as to quantity.

AMMONIUM BENZOATE.—Market is steady and quoted at about 3s. 4d. to 3s. 6d. per lb., as to quantity. Moderate demand.

ASPIRIN.—Makers' and dealers' scales of prices maintained ; steady business: home trade, ten cwt., 2s. 7d.; five cwt., 2s. 8d.; one cwt., 2s. 8½d.; 28 lb., 2s. 9d.; 14 lb., 2s. 10d.; 7 lb., 3s.; 4 lb., 3s. 2d.; 1 lb., 3s. 4d. per lb. Bulk packing free, net, carriage paid. Contracts: Over twelve months, minimum, one ton ; over six months, less than one ton.

BARBITONE.—A little spot business, with some rather cheap offers. To arrive, two cwt., 13s. 5d.; 56 lb., 13s. 9d.; less, 14s. 1d. per lb., f.o.b. Continent ; spot, one cwt., 15s. 1½d.; 56 lb., 15s. 6d.; small parcels, up to 15s. 10d. per lb.

BENZOIC ACID (B.P.).—A good inquiry, with values quite steady: quantities, ex works, 1s. 9½d.; spot parcels, 1s. 10d. to 2s. 2d. per lb., ex store as to quantity.

BISMUTH SALTS.—Makers' scales of prices for these salts are well maintained. Carbonate, cwt. lots, 6s. 6d.; 8 lb., 7s. 3d.; smaller parcels, 8s. 6d. per lb., carriage paid. Metal values steady.

BROMIDES.—Fair inquiry and quoted prices are unchanged and steady: ammonium, not less than five cwt., 1s. 9d.; one cwt., 1s. 10d.; 28 lb., 2s. 1d.; smaller quantities, 2s. 5d. per lb.; potassium B.P. crystals and granular, not less than five cwt., 1s. 6d.; one cwt., 1s. 7d.; 28 lb., 1s. 10d.; smaller quantities, 2s. 2d. per lb.; sodium B.P., not less than five cwt., 1s. 8d.; one cwt., 1s. 9d.; 28 lb., 2s.; smaller quantities, 2s. 4d. per lb.; without engagement. Special prices for larger quantities.

BUTYL CHLORAL HYDRATE.—Average small spot business ; market steady: spot, 14 lb., 8s.; 7 lb., 8s. 3d.; 1 lb., 8s. 6d. per lb., in 1-lb. bottles.

CAFFEINE.—Continental material is quoted as follows: Pure, two cwt., 6s. 9d.; one cwt., 6s. 11d.; 56 lb., 7s. 1d.; less than 56 lb., 7s. 3d. per lb. Citrate, two cwt., 4s. 10¾d.; one cwt., 4s. 11¾d.; 56 lb., 5s. 0¾d.; less than 56 lb., 5s. 1¾d. per lb., 5-lb. tins free, carriage paid. Other salts quoted proportionately. British pure, 56 lb., 7s. 9d.; less, 8s. per lb. Citrate, 56 lb., 5s.; less, 5s. 3d. per lb.

CALCIUM LACTATE.—Fair demand on a competitive market: spot, one cwt., 1s.; 56 lb., 1s. 1d.; 28 lb., 1s. 1½d.; smaller quantities, up to 1s. 5d. per lb.

CHLORAL HYDRATE.—Makers' prices for home trade are steady: duty-paid crystals, in 14-lb. free containers, five cwt., 3s. 1d.; one cwt., 3s. 2d.; 28 lb., 3s. 3d.; 14 lb., 3s. 4½d. per lb.; 28-lb. jars one penny per lb. extra.

CITRIC ACID (B.P. CRYSTALS).—Steady conditions are reported, with British material quoted at 11¾d. per lb., less 5 per cent. discount, nominal and without engagement. Dealers are offering foreign material at level figures.

CREAM OF TARTAR.—Market is steady ; fair business. British makes quoted at 82s. per cwt., less 2½ per cent. discount, nominal and without engagement, for 99 to 100 per cent. material. Dealers are offering imported at about the same figures.

CREOSOTE CARBONATE.—Occasional spot inquiry, with dealers' prices from about 8s. 4d. to 8s. 6d. per lb., as to quantity.

FERRI QUININE CITRATE.—Makers' prices are as follows:—

Packing	100 oz. Per oz.	Less than 100 oz. Per oz.	Packing	100 oz. Per oz.	Less than 100 oz. Per oz.
100-oz. tins ...	10½d.	—	8- & 4-oz. bottles...	11¼d.	11¾d.
25-oz. tins ...	10¾d.	11d.	1-oz. bottles ...	1/0½	1/1
16-oz. bottles ...	11d.	11½d.	½-oz. bottles ...	1/3½	1/4

Special prices for larger quantities.

GUAIACOL CARBONATE.—First-hand prices for spot material: one cwt., 10s.; 28 lb., 10s. 2d.; smaller parcels, up to 10s. 6d. per lb. Some isolated spot offers may be rather cheaper.

HEXAMINE.—British material in bulk quantities is quoted at keen prices ; fair inquiry: B.P. powder, from 1s. 3½d. to 1s. 4½d.; free-running crystals, from 1s. 7d. to 1s. 8d. per lb., carriage paid, for bulk lots. Dealers quoting free-running crystals, two cwt., 1s. 8½d.; one cwt., 1s. 9d.; 14 lb., 1s. 10½d.; smaller parcels, up to 2s. per lb., carriage paid.

HYDROQUINONE.—Not much inquiry, with the market quoted irregularly: one cwt., 4s. 6¾d.; 56 lb., 4s. 8¾d.; 28 lb., 4s. 10¼d.; 14 lb., 5s. 1¼d. per lb., carriage paid.

IODIDES.—There is no change in makers' scales of prices for these salts. Potassium Iodide, B.P., one cwt., 5s.; 4 lb., 6s. 2d.; smaller quantities, up to 6s. 8d. per lb., carriage paid.

LACTIC ACID (B.P.).—Rather more inquiry on the market, with quotations for bulk lots at keen prices: quantities in carboys, 1s. 4½d. to 1s. 5d.; in winchesters and bottles, 1s. 6d. to 1s. 10d. per lb., as to quantity.

MERCURIALS.—Market is quite steady at makers' prices. Chloride, B.P., one cwt., 4s. 9d.; and less, 4s. 10d. per lb., carriage paid.

METHYL SALICYLATE.—A very fair business is being done with makers' prices unchanged. Ten cwt., 1s. 5d.; five cwt., 1s. 5½d.; one cwt., 1s. 6d.; less than one cwt., 1s. 7d.; small quantities in bottles, up to 2s. per lb.

METHYL SULPHONAL.—Spot demand is fair in small lots ; market steady. Spot, two cwt., 18s. 4½d.; one cwt., 18s. 9¾d.; 56 lb., 19s. 3d.; small parcels, up to 19s. 8¼d. per lb.

MORPHINE.—Makers' prices are as follows: hydrochloride, 4 oz., 21s. 8d.; 2 oz., 24s.; 1 oz., 25s. per oz. Diacetyl morphine hydrochloride, 4 oz., 26s. 7d.; 2 oz., 30s.; 1 oz., 31s. per oz. Ethyl morphine hydrochloride, 4 oz., 20s. 6d.; 2 oz., 25s.; 1 oz., 26s. 6d. per oz. Higher prices for less than 1-oz. lots.

PARALDEHYDE.—Makers' scale of prices is as follows: 1 w-quart, 1s. 9d.; 6 w-quarts, 1s. 7½d.; 12 w-quarts, 1s. 5¼d.; 36 w-quarts, 1s. 4½d. per lb., carriage paid on minimum 6 w-quarts. One demijohn, 1s. 2d. per lb., carriage paid.

PHENACETIN.—The steadier tone recently commented upon continues, with some indication of further improvement in the market in due course. Quantities, crystals or powder, 2s. 7d. to 2s. 9d.; smaller parcels, from 2s. 10d. to 3s. per lb.

PHENAZONE.—Dealers are doing a fair business and their prices are now steady: crystals, ten cwt., 9s. 1½d.; five cwt., 9s. 3½d.; two cwt., 9s. 5¾d.; and less, up to 9s. 8d. per lb.; with powder 2½d. per lb. extra. Export prices, f.o.b. Continent, crystals, five cwt., 8s. 4d.; two cwt., 8s. 6d.; less than one cwt., 8s. 8d. per lb.

PHENOLPHTHALEIN.—Moderate business, with makers' prices unchanged: two cwt., 2s. 9d.; one cwt., 2s. 10d.; 28 lb., 3s.; 14 lb., 3s. 1d.; 7 lb., 3s. 2d.; smaller parcels, up to 3s. 6d. per lb.

PHENYL ETHYL BARBITURIC.—Market is steadier, with a very fair business being done. Spot, in small parcels, from 28s. to 29s. per lb., in 2-lb. bottles.

POTASSIUM PERMANGANATE (B.P.).—Continues in fair demand, with importers' prices quite steady. One ton, 9½d.; ten cwt., 9¾d., in drums ; smaller parcels, from 10d. to 1s. per lb., as to quantity and packing.

POTASSIUM SULPHOGUAIACOLATE.—Only small spot inquiry, with dealers' prices ranging from 5s. 7d. to 6s. 2d. per lb., as to source.

PYROGALLIC ACID.—Makers' prices continue at the reduction recently notified. Crystals, one cwt., 6s. 3d.; 56 lb., 6s. 6d.; 28 lb., 6s. 9d. per lb., net ; 14 lb., 7s. 6d.; 7 lb., 8s. 3d.; less than 7 lb., 8s. 9d. per lb., less 2½ per cent., 7-lb. tins free, carriage paid. Wholesale distributors' prices for smaller quantities would be dearer.

QUININE SALTS.—Prices are steady. Sulphate, 2s. 1d.; bisulphate, 2s. 1d.; ethyl carbonate, 2s. 8¾d.; salicylate, 2s. 9½d.; phosphate, 3s. 2½d.; hydrochloride, 2s. 7½d.; bihydrochloride, 2s. 10¾d.; hydrobromide, 2s. 7½d.; bihydrobromide, 2s. 10¾d.; valerianate, 3s. 7d.; hypophosphite, 3s. 10¾d.; alkaloid, 2s. 11d. per oz., carriage paid on bulk quantities.

RESORCIN.—British material meeting the modest demands of the market: crystals, one cwt., 4s. 11d.; 56 lb., 5s.; 28 lb., 5s. 1d.; 14 lb., 5s. 3d.; 7 lb., 5s. 6d.; less than 7 lb., up to 6s. per lb.

SALICYLIC ACID (B.P.).—Steady business, with makers' scale of prices maintained: five cwt., 1s. 7d.; one cwt., 1s. 7½d.; 28 lb., 1s. 8d.; 14 lb., 1s. 9d.; 7 lb., 1s. 11d.; 4 lb., 2s. per lb.

SALOL.—Market is dull and unsteady: spot, crystals, two cwt., 3s. 10d.; one cwt., 3s. 11½d.; 56 lb., 4s.; smaller parcels, up to 4s. 6d. per lb.; powder 2d. per lb. extra.

SANTONIN.—A modest spot inquiry, with the first-hand sources quoting about £13 5s. per kilo. and less for bulk quantities.

SODIUM BENZOATE (B.P.).—Not at all a bad business, with the market keen but steady. Bulk quantities, about 1s. 6d.; cwt. lots, 1s. 7d.; smaller parcels, up to 1s. 11d. per lb.

SODIUM DIETHYLBARBITURATE.—A limited demand, with quotations unchanged: spot, one cwt., 15s. 9d.; 56 lb., 16s.; 14 lb., 16s. 3d.; 7 lb., 16s. 6d.; smaller parcels, up to 17s. per lb.

SODIUM SALICYLATE (B.P.).—Business on a fair scale ; makers' and dealers' prices steady: home trade, powder, five cwt., 1s. 8½d.; one cwt., 1s. 9d.; 28 lb., 2s.; 14 lb., 2s. 2d.; 7 lb., 2s. 3d.; 1 lb., 2s. 6d. per lb.

SULPHONAL.—Not much inquiry, isolated cheap spot offers ; steady forward: crystals or powder, two cwt., 14s. 8¼d.; one cwt., 15s. 1½d.; 56 lb., 15s. 3¼d.; smaller parcels, up to 15s. 10d. per lb.

TARTARIC ACID (B.P. CRYSTALS).—Business continues satisfactory, with British material quoted at 1s. 0½d. per lb., less 5 per cent. discount, nominal and without engagement. Dealers' prices for foreign material are competitive.

Crude Drugs, etc.

ACONITE ROOT.—Market is firmer. Napellus, 65s.; Japanese, 45s. per cwt., spot, for small parcels.

AGAR.—Spot supplies of some grades are very scarce. No shipment offers for February. Market firm. Kobe No. 1, now up to 2s. 1½d.; No. 2, very little available, quoted at 2s.; Yokohama No. 1, very little available, nominal. New crop, January-March shipment, Kobe No. 1, 1s. 6¾d.; No. 2, 1s. 6d.; Yokohama No. 1, 1s. 5d. per lb., c.i.f.

ALKANET ROOT.—Dealers are quoting supplies of spot root in the region of 50s. per cwt.

ALOES.—A steady demand on spot, with supplies of Curaçao getting low ; black smooth, turning livery, from 87s. 6d. per cwt., duty paid ; shipment, 82s. 6d. per cwt., c.i.f. Cape, prime, 44s., spot ; shipment, 36s. for f.a.q. and 37s. 6d. for best quality, c.i.f.

ANTIMONY.—The shipment quotation for Chinese crude is steady at £32, c.i.f.

BALSAMS.—Some small spot business ; market steady. Spot, *Tolu*, about 1s. 8d.; *Canada* is held for 3s. 9d. and *Peru* for about 5s. 3d. per lb. for small parcels.

BELLADONNA.—Not very much inquiry. Spot, leaves, 65s. to 70s.; root, about 57s. 6d. per cwt. for small parcels.

BUCHU.—The shipment market continues very steady, with offers at about 1s. per lb., c.i.f., for f.a.q. rounds. The very limited spot supplies are held for 1s. 3d. per lb.

CANTHARIDES.—Dealers' prices are unchanged for spot supplies. Chinese, 3s. 1d. to 3s. 3d.; Russian, 6s. 6d. per lb., for small parcels.

CASCARA SAGRADA.—Market has remained mostly dull. Spot, 1934 peel, 35s. 6d.; 1933 peel, 42s. 6d. per cwt. for small parcels.

CELERY SEED.—Small spot parcels at 1s. 9d. per lb. Forward prices lower for bulk quantities.

CHAMOMILES.—This market is firm at the previous rates of 200s. to 240s. per cwt., as to quality, duty paid.

CLOVES.—Market has been rather quiet. Forward offers are slightly dearer. Zanzibar, spot, 5¾d.; shipment, March-April, 5⅞d. per lb., c.i.f. Madagascar, spot, 5¾d.; shipment, March-April, 5⅝d. per lb., c.i.f.

The landings of Zanzibar in London during the week ended February 16 were *nil* and the deliveries 51, leaving a stock of 2,816. From January 1 to date the landings of Zanzibar have been 496 and the deliveries 774. Landings of Madagascar for the week ended February 16 were *nil*, and the deliveries *nil*, leaving a stock of 783. From January 1 to date landings of Madagascar have been 664 and the deliveries 128 packages.

COCOA BUTTER.—English is unchanged at 8½d. to 9¼d. per lb., as to quantity. Foreign, 8d. to 8¾d. per lb.

COCONUT (DESICCATED).—Values are dearer and the market is firm. Spot, fine, 23s. 6d.; medium, 22s. 9d. per cwt.; shipment, halves, March-April, 22s. per cwt., c.i.f.

COD-LIVER OIL.—Bergen reports fishing results to February 16 as follows: 8,477 tons of cod and 4,010 hectol. of oil, compared with 8,189 tons of cod and 3,809 hectol, of oil at the same date in 1934, and 11,789 tons of cod and 6,675 hectol. of oil in 1933. Finest Lofoten steam-refined non-freezing medicinal oil for shipment, 87s. 6d. per barrel, c.i.f. London. Spot, in small lots, about 130s. per barrel, ex store, duty paid. Newfoundland, non-freezing medicinal oil, 130s. per barrel, ex store. British non-freezing medicinal oil continues to be quoted from one source at 115s. per barrel, c.i.f. London, duty free, while quotations from another home source are at higher figures.

COLOCYNTH.—Some spot supplies of brownish pulp are offering at about 1s. 6d. per lb. New crop pulp, March-April shipment, 1s. 2½d. per lb., c.i.f., for good quantities.

DAMIANA LEAVES.—With the new crop leaves available the spot market is not so strong and offers are in the region of 1s. 6d. to 1s. 8d. per lb., as to quantity ; shipment, 1s. 2d. per lb., c.i.f.

DERRIS ROOT.—This market continues firm, with practically nothing on spot: if available, about 1s. 2d. to 1s. 4d.; shipment, 11d. to 1s. 2d. per lb., c.i.f., as to test.

DIGITALIS LEAVES.—Dealers continue to offer some good green leaves at about 110s. per cwt.

ERGOT.—Fair spot demand ; market steady. Spanish, 1s. 6d.; Portuguese, 1s. 5d.; Russian, 1s. 4d. per lb. for small parcels.

GALANGAL ROOT.—Some supplies of spot root are quoted at about 32s. 6d. per cwt. for small lots.

GENTIAN.—Rather less inquiry, with dealers' prices for spot supplies in the region of 40s. per cwt.

GINGER.—Values are keeping steady, but the market has been dull. West African, spot, 35s.; for arrival, 30s. per cwt. Jamaican is steady on spot: small grinding from 80s. up to 107s. 6d. per cwt. for bold, in barrels.

GUM ACACIA.—Market is about steady ; limited business: spot, Kordofan cleaned sorts, 37s. 6d.; bleached, about 70s. per cwt.; shipment, new crop, Kordiofan cleaned sorts, 36s. to 36s. 6d. per cwt., c.i.f.

HENBANE.—Dealers are offering small spot parcels in the region of 80s. per cwt. Small business moving.

Honey.—A modest business is reported at keen prices. Jamaican, 30s. to 42s. 6d., as to quality. Californian, 46s. to 47s. 6d. per cwt. for pale to white set.

Hydrastis.—Average spot business ; shipment market firm. Spot, 5s. 6d. to 5s. 8d.; shipment, 5s. per lb., c.i.f.

Ipecacuanha.—About steady, with occasional business on spot. Matto Grosso, 5s.; Minas, 4s. 4½d. per lb.

Menthol.—The market has been dull, except for some limited consuming business ; values are rather easier. K/S brands, spot, 11s. 9d.; in bond, 10s. 10½d.; afloat, 10s. 10½d.; shipment, January-March, 10s. 7½d.; March-April, 10s. 6d.; October-December has been offered down to 10s. 3d. per lb., c.i.f. sellers. Japanese shippers quoting about 10s. 10d. per lb., c.i.f.

Mercury.—Market is very steady and a good business is reported. Shipment, Spanish-Italian, 56 dollars, f.o.b. Continent. Spot, in small lots, £11 14s. per bottle, ex store.

Opium.—A fair business in small parcels is recorded, with the price about 1s. 5d. to 1s. 5¾d. per lb., as to quantity.

Orange peel.—Shipment offers of new crop bitter quarters are at about 27s. 6d. per cwt.

Orris root.—Some Florentine root on spot is offering at about 31s. 6d. per cwt. Business remains slow.

Pepper.—Market has been dull, with some domestic business reported. Lampong, spot, 4¼d., in bond ; shipment, January-March, 3 15/16d.; March-May, 4d. per lb., c.i.f. Tellicherry, shipment, March-April, 48s.; Aleppy, shipment, March-April, 48s. per cwt., c.i.f. White Muntok is not quoted.

Pimento.—Not very much business during the week. Spot, 2½d. per lb.; shipment, March-April, 20s. 6d. per cwt., c.i.f.

Psyllium seed.—Small spot parcels of French seed selling at about 7½d. per lb.

Rhubarb.—More business is reported. Rough round, f.a.q., 1s. 2½d.; bright red pinky, 1s. 4d. Shensi is quoted from 3s. 4d. to 3s. 9d. per lb., as to quality. No offers for shipment from China. No Canton on spot and none offered forward. Flat high dried, rough, good fracture, 1s. 7d.; smooth, fair fracture, 1s. 10½d. per lb., in case lots.

Rubber.—Rather more confidence in the market this week, with a small volume of business being done. Standard ribbed smoked sheet, spot, 6⅜d.; February, 6⅜d.; March, 6⅜d.; April-June, 6 9/16d.; July-September, 6 11/16d.; October-December, 6⅞d. per lb.

Saffron.—Market has received modest inquiry this week. Spot, prime B.P., 50s. 6d.; extra B.P., 49s. 6d.; super B.P., 47s. 6d. per lb., and less for bulk quantities.

Sarsaparilla.—A modest business on spot ; market steady: grey Jamaican, about 1s. 7d.; native mixed colours, 1s. to 1s. 1d. per lb., spot, in small parcels.

Seeds.—Anise.—Spot, duty paid, Spanish, 64s.; Bulgarian, 33s. 6d. Caraway.—Dutch sold at 34s. 6d., spot, duty paid ; 28s. 6d. quoted f.o.b. Holland. Coriander.—Morocco offered at 13s. 6d., duty paid, and 12s., in bond ; 10s. 3d., c.i.f., for prompt shipment. Cumin.—Morocco sold at 57s., duty paid. No Malta to be had on spot. Dill.—Indian, 15s. 6d., spot. Fenugreek.—Tunisian, 15s. 6d.; Morocco, 14s., duty paid. Mustard.—English, 21s. to 32s. per cwt., according to quality.

Senega.—Market has remained dull. Spot, in fair quantities, from 1s. per lb., and shipment is at about the same figure, c.i.f.

Senna.—Business in this market during the past week has been moderate, with quoted values for all grades of Tinnevelly and Alexandrian leaves and pods holding at the figures recorded last week.

Shellac.—Market has remained dull. Spot, TN orange, 70s. to 72s. 6d.; fine orange, 105s. to 140s.; pure button, 110s. per cwt.

Stramonium.—Spot supplies are offering and moving slowly at about 45s. to 55s. per cwt., as to quality.

Tonquin beans.—The spot stocks have been reduced to a rather low level and holders are now asking 2s. 7½d. per lb. for fair frosted.

Tragacanth.—There has been a fair amount of interest in the textile grades, with amber in demand and quoted round about 105s. per cwt. White grades from £13 and upwards have also been called for now and again, and values for these qualities tend to harden.

Valerian root.—The very little spot root available is held for 85s. per cwt.; shipment is quoted from 70s. to 75s. per cwt., c.i.f.

Wax.—Spot demand for Bees' has been rather less ; shipment offers firm and restricted. Abyssinian, spot, 102s. 6d.; shipment, 95s., c.i.f. Benguella, spot, 102s. 6d.; in bond, 95s.; shipment, 95s., c.i.f. Conakry, spot, 102s. 6d.; shipment, 96s., c.i.f. Dar-es-Salaam, spot, 102s. 6d.; shipment, 98s., c.i.f. Carnauba.—Shipment values continue upwards. Spot business moderate. Fatty grey, 125s., duty paid ; 114s. in bond ; 109s. afloat ; shipment, January-February, 104s.; February-March, 110s.; March-April, 111s.; April-May, 112s., c.i.f. Chalky grey, 122s. 6d., duty paid ; shipment, January-February, 98s., c.i.f. Primeira, 230s., duty paid ; 215s. in bond ; shipment, January-February, 160s.; February-March, 157s. 6d., c.i.f. Mediana, 210s., duty paid ; 190s. in bond ; shipment, January-February, 150s. per cwt., c.i.f.

Essential Oils, etc.

Conditions in this market continue quite steady and a number of items are firm and again rather dearer. Business has been on a good scale. Practically no cananga on spot. Madagascar clove is firm. Gingergrass is dearer. Sicilian hand-pressed lemon is fairly active and firm. Lime is dearer forward. Palmarosa is again at an advance for shipment. Japanese peppermint is easier.

Almond.—Market continues steady ; some small spot business: English-made, cwt. lots, 2s. 6d.; smaller parcels, up to 2s. 8d.; Foreign, cwt. lots, 2s. 4d.; smaller parcels, up to 2s. 7d. per lb. Bitter, s.p.a., genuine French, 9s. per lb.

Anise (star).—Shipment offers continue restricted. Spot supplies are very limited and firmly held. "Red Ship," in leads, 2s. 0½d.; in tins, 1s. 10¼d.; in drums, 1s. 9d.; shipment, in leads, 1s. 11½d.; in tins, 1s. 10½d.; in drums, 1s. 10d. per lb., c.i.f., nominal.

Bay.—A fair spot inquiry, with dealers quoting 49 to 50 per cent. at 5s. 2d. to 5s. 6d. per lb., as to quantity.

Bergamot.—The shipment market for new crop oil has continued to be of interest and there is nothing now available below 5s. per lb., and most offers are well over that figure up to 5s. 6d. per lb., c.i.f., in tins, with coppers about 2d. more. Spot oil is offering in the region of 5s. 6d. per lb.

Bois de rose.—This market continues fully steady, but business is slow. Brazilian, spot, 5s. 9d.; shipment, about 5s. 7½d. per lb., c.i.f.

Cajuput.—Business has been unimportant. Spot, 2s. 1d. to 2s. 3d. per lb.; green, 1s. 9d. to 1s. 11d. per lb., as to quantity.

Cananga.—There is some inquiry on spot, but it seems that the market is quite bare of supplies. Shipment offers are restricted and at about 10s. 2d. per lb., c.i.f.

Caraway.—Market is steady ; fair business. Dutch rectified, one to two cwt., 8s. 10½d. to 9s. per lb., landed ; smaller parcels on spot, up to 9s. 6d. Crude, about 8s. 6d. per lb., for quantities.

Cassia.—Spot continues fully steady on a short market at about 4s. 5d. to 4s. 6d.; shipment, 3s. 8d. per lb., c.i.f.

Cedarwood.—Some offers are at keen prices. American, spot, in small lots, up to 1s. 4d.; shipment, about 1s. 1d. per lb., c.i.f., for bulk quantities. African oil is at competitive prices.

Cinnamon leaf.—A little spot inquiry ; quoted unchanged. Ceylon oil, spot, 2s. 9d. to 3s. per lb.; shipment, 2s. 6½d. per lb., c.i.f.

Citronella.—The Ceylon oil remains depressed, with shipment at about 1s. 1d. per lb., c.i.f., for quantities ; spot, in small lots, up to 1s. 5d. per lb. Java is about steady but in quiet demand. Spot, in small lots, up to 1s. 8d.; drums, about 1s. 6d.; shipment, about 1s. 2¾d. per lb., c.i.f.

Clove.—This market is firm, with shipment offers now up to 2s. 10d. per lb., c.i.f., for Madagascar oil. Spot values are comparatively cheap, with drums at 3s. 3d. and smaller packing 3s. 4d. to 3s. 5d. per lb.

Eucalyptus.—Market is quite steady ; business moderate. Australian, 70 to 75 per cent., 1s. to 1s. 0½d.; 80 to 85 per cent., 1s. 1d. to 1s. 1½d. per lb., landed, in fair quantities. Spanish, 70 to 75 per cent., 1s. 2d. per lb., spot.

Geranium.—There are still no offers for Algerian for shipment, nominal at 24s. per lb., c.i.f. Bourbon is dull, with spot about 21s. 6d. and shipment about 20s. per lb., c.i.f.

Gingergrass.—The market is quoted dearer, with shipment about 4s. 6d., c.i.f., and spot is at about 5s. per lb., for small parcels.

Ho (Shui).—Dealers are receiving a little spot inquiry, with prices ranging from 1s. 8d. to 2s. per lb., as to quantity and quality.

Juniper berry.—Dealers' spot quotations for a standard quality oil are in the region of 3s. 3d. per lb. for small parcels. Finest quality, up to 5s. per lb.

Lavender.—Market has been generally quiet this week ; values maintained: finest Mt. Blanc, 38 to 40 per cent., is offered at 26s. to 28s., landed ; a good standard quality at about 21s. 6d. to 23s.; and other offers are down to 17s. 3d. per lb., landed. Lavandin, new crop, is steady and quoted at about 14s. per lb., landed.

Lemon.—A very fair business continues in the shipment market for Sicilian new crop hand-pressed oil, with quotations now in the region of 3s. 6d. to 3s. 7d. per lb., c.i.f., for tins, and twopence more for coppers. Spot business has also been more in evidence, with values about 3s. 8d. to 3s. 10d. per lb., as to quality and quantity. Californian oil is steady and in occasional demand: spot, in large drums, 1s. 10¾d.; in small drums, 1s. 11¼d. per lb.

Lemongrass.—Market has again been neglected. Shipment offers are cheaper at about 3s. 4½d., c.i.f. Spot is in very limited supply and quoted in the region of 3s. 7½d. per lb.

Lime.—The shipment market for West Indian distilled is firm and again dearer at about 24s., c.i.f. Small spot parcels are quoted at about 24s. 6d. per lb. The forward position is reported to be strong.

Mandarin.—Nothing much doing in this product. Spot, 12s. 6d. to 14s. 6d., as to quality and quantity ; shipment, about 13s. per lb., c.i.f, for best quality.

NEROLI.—Occasional small spot inquiry. Quoted at 14s. 6d., 16s. 3d., 20s. 6d. and 22s. 6d. per oz., as to quality.

NUTMEG.—Moderate business in small parcels, with English-made oil at about 5s. 3d. to 5s. 6d. per lb.

ORANGE.—The shipment market for Sicilian sweet is nominal at about 6s. 9d. per lb., c.i.f., and spot offers are at about 7s. 3d. to 7s. 6d. per lb. for small parcels. There are still practically no firm shipment offers of new crop French Guinea oil, and the position, as regards available supplies, is indefinite. The trend of this market during the next few months may be interesting. Should the shipment market become oversold values may advance sharply. At the moment the shipment figure is more or less nominal at 3s. 2d., c.i.f., with spot holders mostly asking up to 3s. 6d. per lb. for drums, and they are by no means anxious to clear their limited stocks. Californian has been selling quite well on spot: one case, 2s. 4¾d.; two or more cases, 2s. 2¼d. per lb.

PALMAROSA.—The shipment market has again advanced and is now quoted firm at 6s. 6d. per lb. Spot holders asking 6s. 1d. to 6s. 4d. per lb. for small parcels.

PATCHOULI.—Endeavours to obtain offers for shipment of Singapore oil have not met with any success. Anything on spot would be worth from 11s. to 11s. 9d. per lb.

PEPPERMINT.—Market has been dull and is rather easier. Spot, about 4s. 2d. to 4s. 3d.; afloat, 4s. 2d.; shipment, January-March, 3s. 8d.; March-April, 3s. 7d. per lb., c.i.f. sellers. Japanese shippers quoting about 3s. 9d. per lb., c.i.f. The American natural oil in drums remains dull, with quotations about 3 dollars to 3 dollars 5 cents per lb., c.i.f.

PETITGRAIN.—Some small business on spot; market steady. Spot, 4s. 4d. to 4s. 5d.; shipment, 3s. 10d. per lb., c.i.f.

ROSEMARY.—Not much business at the moment; market steady. Spanish, first quality, 2s. 1d. to 2s. 2d.; second quality, 1s. 8d. to 1s. 10d. per lb., as to quantity.

SANDALWOOD.—Genuine East Indian Mysore, 19s. per lb., in one-case lots, on spot. English-made East Indian, 22s. 6d. to 25s. per lb., as to quantity. English-made West Indian, cwt. lots, 6s. 9d.; 56 lb., 6s. 10½d.; 14 lb., 7s. per lb. Australian, case lots, 15s. 6d. per lb.

SASSAFRAS.—A little more inquiry; mostly for the cheaper grades. Standard quality, 4s. 1d. to 4s. 3d. per lb., landed. Artificial oil at lower prices.

SPEARMINT.—A moderate business on spot; market steady. Spot, 8s. 9d.; shipment, 7s. 8d. per lb., c.i.f.

SPIKE.—Market conditions firm, but business has been quieter. Spot, 5s. 9d. to 6s.; shipment, 5s. 7d. per lb., c.i.f. French oil, 9s. per lb., spot.

VETIVERT.—The remaining small spot stocks of Bourbon are firmly held for 38s. to 40s. per lb., as to quantity; shipment, 37s., c.i.f.

WINTERGREEN.—Dealers quote from 6s. to 6s. 9d. per lb., spot, as to quantity. Market is dull.

WORMSEED.—A moderate business, mostly for spot goods. Spot, 9s. 3d.; shipment, 8s. 3d. per lb., c.i.f.

Fixed Oils, etc.

CONDITIONS in these markets continue fully steady to firm and some further advances in prices are recorded. Business has been on a good scale. Palm oils are a strong feature. Groundnut is sharply dearer. Linseed is at better prices. American turpentine is steady on a quiet market. ACID OILS.—Market fully steady and rather dearer: coconut and/or palm kernel, none available, nominal; groundnut, 21s.; soya, 16s. 6d., spot. CASTOR.—Values about steady; moderate business: pharmaceutical, 42s. 6d.; first pressings, 38s. 6d.; second pressings, 35s. 6d. (barrels); cases, £4 per ton extra, ex mills, Hull, in not less than one-ton lots; Bombay, 30s. 6d. (drums), c.i.f. COCONUT.—Values are again dearer; market steady: deodorised, 30s. 6d. (barrels), spot; Ceylon mill, 21s. 6d. (drums), c.i.f. COTTON.—A further advance is recorded and the market is firm: deodorised, 35s. 6d.; common edible, 34s.; soapmaking, 32s. 6d.; crude, 29s. 6d. (barrels), spot. GROUNDNUT.—Values quoted show an advance again; market firm: deodorised, 45s. (barrels), spot; crude Oriental, 34s. 6d. (drums), c.i.f. LINSEED OIL.—At the higher figures quoted the market is steady. Spot, 22s. 9d.; March, 21s. 3d.; April, 21s. 6d.; May-August, 22s.; September-December, 22s. 4½d. per cwt. Boiled oil, spot, 25s. 6d. OLIVE.—Market is steady; fair business: edible, in tins in cases, 72s. 6d. per case of ten gallons; B.P., 5s. 3d. per gallon, in 40-gallon barrels. PALM.—This market continues firm, with a further advance in values recorded; business good: Lagos, 21s. 6d., shipment; softs, 21s. 3d., shipment; mediums, 26s. 3d., shipment; hards, 21s. 9d., shipment; bleached, 25s., spot. PALM KERNEL.—Values are higher on a fully steady market: deodorised, 28s. 9d.; crude, 22s., spot. RAPE.—Market is steady; business fair. Refined, 36s.; crude, 34s. 6d., spot (barrels). RESIN.—Values are about level on the week; market quiet. B, 11s. 7½d.; D, 11s. 9d.; F/G, 13s. 3d.; N, 14s. 4½d.; W/G, 15s. 3d.; W/W, 16s. 6d. per cwt., ex wharf. SOYA.—Market is quoted sharply dearer: deodorised, 34s.; crude, 31s., spot. TURPENTINE, AMERICAN.—Market continues steady but rather quiet. Total London stocks, 8,684 barrels. On spot, 48s. WOOD.—Hankow, in barrels, is firm on spot at about 53s. 6d.; supplies are restricted.

Commercial Notes

NEWFOUNDLAND COD-LIVER OIL.—Shipments of cod-liver oil during the period August 1 to December 21, 1934, totalled 154,219 gallons, compared with 151,828 gallons during the same period of 1933.

GERMAN CITRIC ACID IMPORTS.—Landings during the period January-September, 1934, totalled 330,100 kilos., as against 515,800 kilos. in the corresponding period of 1933. Imports during the 1934 three-quarters were valued at 281,000 marks. The principal suppliers were Czechoslovakia (2,147 kilos.), Great Britain (630), Italy (490), and Belgium (30).

JAPANESE IODINE EXPORTS.—Shipments during the first nine months of 1934 totalled 18,412 kilos., at an average value of 10.88 yen a kilo.; the corresponding period of 1933 shipments totalled 21,919 kilos., with an average value of 15.97 yen a kilo. It is reported that the recent reductions of the price of Chilean iodine in Asiatic markets has placed Japanese iodine in a non-competitive position.

THE ASSOCIATION OF BRITISH CHEMICAL MANUFACTURERS, 166 Piccadilly, W.1, have issued their 1935 volume of "British Chemicals and their Manufacturers." This is a complete directory of products manufactured by the Association's members, and it is printed in six languages (French, Spanish, Italian, Portuguese, German and English). In an introductory note it is stated that the combined capital of the members exceeds £200,000,000.

SUDAN SENNA EXPORTS.—Shipments for the period January-September, 1934, which were below average, were as follows:—

	Tons	£E.		Tons	£E.
Great Britain ...	121½	3,391	France	11	199
Egypt	1½	10	Germany	23	977
United States ...	20	226			
Australia	3½	50	Total	181	4,860
Italy	½	7	Total, 1st 9 months, 1933	434	12,933

Sudan Gum Acacia Exports

BOXALL & Co. report shipments for December, 1934, totalled 1,416 tons, compared with 1,509 tons in December, 1933. The total shipments for the full year 1934 amounted to 21,092 tons, against 17,089 tons in 1933. The following were the chief destinations:—

Destination	1933			1934		
	Jan.-Nov.	Dec.	Total	Jan.-Nov.	Dec.	Total
Great Britain ...	3,183	371	3,554	4,319	273	4,592
U.S.A.	2,739	154	2,893	2,905	291	3,196
France	1,641	289	1,930	3,059	41	3,100
Germany ...	2,057	147	2,204	2,137	184	2,321
Italy	1,256	104	1,360	1,325	128	1,453
Belgium	1,150	136	1,286	1,611	121	1,732
Japan	773	13	786	844	92	936
Holland	797	59	856	779	30	809
Spain	414	56	470	393	60	453
Sweden	211	—	211	259	17	276
Norway	33	8	41	55	10	65
Australia ...	323	15	338	456	59	515
New Zealand ...	41	2	43	55	2	57
China	183	20	203	236	1	237
Canada	50	30	80	133	20	153
British India ...	33	19	52	127	20	147
Denmark ...	101	19	120	150	35	185
Finland	46	7	53	81	—	81
Poland	49	12	61	56	5	61
Rumania ...	53	2	55	101	—	101
Turkey	14	—	14	12	6	18
Greece	50	12	62	41	5	46
Egypt	148	1	149	144	12	156
South Africa ...	16	—	16	26	1	27
Dutch Indies ...	10	—	10	29	—	29
Argentine ...	113	30	143	161	—	161
Brazil	41	—	41	60	—	60
Uruguay... ...	9	—	9	12	—	12
Mexico	9	—	9	13	—	13
Other countries in America ...	11	2	13	15	1	16
Other countries...	26	1	27	82	2	84
Total tons ...	15,580	1,509	17,089	19,676	1,416	21,092

The export figures are made up of the following qualities:—

		Hashab	Bleached	Talha	Total
December, 1933	tons	1,379	27	103	1,509
December, 1934	tons	1,301	3	112	1,416
Jan.-Dec., 1933	tons	15,278	247	1,564	17,089
Jan.-Dec., 1934	tons	19,117	168	1,807	21,092

Correspondence

Letters should be written on one side of the paper only. Correspondents may adopt an assumed name, but must in all cases furnish their real name and address to the Editor

Mincing Lane

SIR,—Allow me to congratulate you on your outspoken editorial on February 16 dealing with the recent happenings on Mincing Lane. It would indeed be a sad day for Mincing Lane generally were the status of the broker relegated in any way, and both importers and exporters would quickly discover this to their cost. I agree that the London General Produce Brokers' Association should speedily put its house in order to restore confidence. One of its first duties is to see that its members act as "pure" brokers, and insist on full brokerage on all contracts, instead of "cutting," which system is probably one of the main causes of the present upheaval.

Yours faithfully,
J. D. SMITH,
FREUDENTHEIL, SMITH & Co.

21 Mincing Lane, E.C.3.

Apathy in Pharmacy

SIR,—The so-called apathy of the pharmacist is much to the fore at the present time; it has been the subject of an address at Liverpool (*C. & D.*, February 2, p. 122) and of letters in your correspondence columns since. I consider the term "apathy" is misused in respect to pharmacists. Apathy has been defined as want of feeling; the attitude of chemists varies individually in regard to current pharmaceutical events, but I have not met one who has any want of feeling concerning them. Rather their feelings range through discontent and distrust to disgust in extreme cases. "Rebel" (February 16, p. 208) complains that three members of the committee of his local association supply grocers and others with "chemists only" goods. I guarantee there is not much apathy in that district; but there will be an excess of distrust, and the trouble is not confined to one district. The consequence is that the chemist who has a good business ignores the local association, preferring to attend to his own affairs as he can afford to be independent, while the struggling single-handed man does not see why he should support a body of which the principal members are cutting his small trade. This is the stumbling block to all schemes for concerted action to uplift private pharmacy. Mr. George Hampton makes the suggestion that the privately owned chemists' shops should co-operate and commence with a meeting in London to discuss these matters. Can anyone imagine a man in the position of "Rebel" attending that meeting or supporting co-operation if he knew that the three committee men he complains about had anything to do with it? In the address at Liverpool reference was made to the percentage of voting in the Council election. The ordinary member is not at all satisfied with recent decisions or future propositions, but he knows that his vote makes no difference to the result. The retiring members are usually re-elected. I sincerely hope there will be a further selection of suitable candidates this year, or I shall add one more to the number of non-voters. But I am far from apathetic.

Faithfully yours,
NON-APATH (19/2).

The Pharmaceutical Society's Finance

SIR,—Again we are indebted to THE CHEMIST AND DRUGGIST for so able an article as that contributed by Dr. E. G. Bryant dealing with the Society's finance especially from the point of view of the suggested building scheme (*C. & D.*, February 16, p. 193). He estimates that such proposals will mean a total annual burden upon the Society of £20,000 per annum. But why need this be forced upon members? He makes two excellent suggestions. Let the rats go where they ought to go, out into the country. The Pharmacological Laboratories could be quite well housed for a few thousand pounds if we must continue to lose money on this work. As for the School, it was suggested some years ago that the near development of the University of London would solve that problem. For the sake of about 100 students a year all this enormous outlay and annual cost is to be incurred. I have Mr. Hines's statement before me in which he gives particulars of two leases, not one. The original part, i.e., 17 Bloomsbury Square, falls in 1948, but all the rest is "ours" until 1966. Even thirteen years is scarcely an impending expiry; thirty-one years is a long way off it. This does seem to me important. If, as Dr. Bryant says, the Pharmacological Laboratories and the School can be cleared out, what is the hurry? There should be all the accommodation necessary for another quarter of a century. Then we can sell the Brunswick Square site, make that marvellous profit, and all of us have our fees remitted for twelve months.—Yours faithfully,

DUNROMIN (18/2).

Increasing Public Expenditure

SIR,—As competition grows more intense and business gets worse, expenses at Bloomsbury Square increase. It matters very little to the average chemist or to the public whether the headquarters of the Pharmaceutical Society are in Bloomsbury or in Whitechapel; but if our officials are so determined in their reckless extravagance . . . it needs no special foresight to realise that before long the registration of shop premises will reach the maximum of £2 19s. 11d. I would like to see Mr. Hines president again and Mr. J. F. McNeal returned at the head of the poll at the forthcoming election. And I would certainly not vote for any company director.

Yours faithfully,
O. ROUTLY.

Heacham.

Premises Registration Fee

SIR,—Looming ahead for all proprietor pharmacists is the new tax to be imposed upon them in the form of the business premises registration fee. Very little is being heard of this, because all reference to it is discouraged. It should be one of the test issues at the next Council election of the Pharmaceutical Society, and I hope that local associations have not overlooked this subject as a vital matter for discussion during the coming months. Every individual affected should realise that, if possible, nothing will be disclosed until the thing has been done and the fee fixed by a decision of the Council. A free, frank, public debate is about the last course likely to be adopted if I know anything of the official mind. Just as all public discussion at the Council table on the draft Poisons List and Rules was deliberately suppressed at official behest, so all the talk on this new taxation will be carried on *in camera*—unless members protest, and protest vigorously, against this cynical attitude on the part of their elected representatives. The object of the premises registration fee is to cover the cost of the new system of inspection and the law department of the Society. To that extent it will necessarily save the general fund some considerable amount of money. Theoretically the saving so effected in administrative and overhead charges should relieve and lower the annual compulsory retention fee. Practically it will do nothing of the kind unless members themselves step in and demand it. For the purpose of initiating a discussion I shall assume that about 12,000 separate business premises will be taxed; if each provides a fee of 10s., that means a new source of income to the Society of £6,000 per annum. In addition there will be credited to this department all amounts recovered by way of costs and penalties. Law costs, as shown in the expenditure for 1933, amounted to £3,235. The whole of that, however, will no longer be a charge upon the general fund, and it is only just to place it to the benefit of the retention fee and proportionately lower that fee. Both fees come from the same source (except company shops) and both are compulsorily imposed for specific purposes. With a new fee producing not less than £6,000 a year, the Society will have at its service almost double the sum hitherto expended. Thinking round the question of inspection, I cannot conceive that more than £3,500 should be needed annually. Even assuming more is required, there is still an ample surplus, on this basis, for the necessary staff. That, at any rate, is how I have worked out the problem. It is important that

ample consideration should be given at this early stage to all that is involved. Local associations should send in resolutions to the Council demanding: (1) No premises registration fee above 10s. per annum; (2) a lower compulsory retention fee. Both these fees come out of our profits.—Yours, etc.,

FEE SIMPLE (21/1).

Half a Century in the Drug Trade

SIR,—Your contributor Mr. George Hampton makes some interesting points in his letter, but I would venture to correct him in one bad mistake. He refers to travellers' expenses amounting to "at least 5 to 10 per cent.," which proves that however much he may know of the retail side of the business his facts on the wholesale are very much at sea. Very charitably assuming that he intends the word "expenses" to include salary as well, I would assure him that if we cost our employers "10 per cent." we should be receiving just about five times the remuneration and expenses that we do. He must have a very exaggerated idea of the profits of the wholesale drug trade, or perhaps he has been basing his remarks on the gentlemen who try to sell him highly priced patents or proprietary lines. But this latter is not the drug trade which he set out to discuss. He also refers to chemicals and drugs being controlled by rings and combines, and he is again a bit off the mark. It is the raw materials (metals, etc.) which are controlled, and this is by people who are entirely outside the drug trade; even his Utopian combine of pharmacists would still have to draw supplies from these wicked sources to enable them to manufacture, unless, of course, his suggested capital is increased from £10,000,000 to, say, £1,000,000,000 and the whole lot of them are "bought up."—Yours faithfully,

JOHN R. CHARLTON.

Wistaston, Crewe.

SIR,—Hail! or even "Heil"! Here, pharmacists, chemists and druggists, dispensing chemists (and the other things you call yourselves), is your leader. I greatly admired a recent article written by Mr. George Hampton—particularly because he expressed opinions aired in letters written to your valuable paper some time ago by my humble self. I agree with quite a lot of what he says. But—how many of the 9,500 privately owned chemists' shops are worth £1,000, or, bluntly, how many owners of these shops have £1,000 to put into his proposed £10,000,000 merger? Mr. Hampton has been a traveller in his time and he should know the answer to that. Also, as a one-time "knight of the road" he quite casually suggests dispensing with travellers altogether because they cost 5 to 10 per cent.—what a saving (and incidentally what a loss)! Yes! "Fanatical" will be the word used; Mr. Hampton can bet his life on that; still, he is a man with ideas. May I suggest (very respectfully) that he links up with Mr. McNeal, and between the two something may get done. And (this is a prophecy) Mr. McNeal will eventually be the leader of pharmacy and Mr. Hampton could and should be his chief of staff—although I'll never forgive him for suggesting the "obliteration" of the "representative" (costing 5 to 10 per cent.), to which noble profession I belong.

Yours faithfully,

NOBBY'S BROTHER (18/2).

Pharmacy in a London Suburb

SIR,—Mr. N. Hirst made some interesting points in his recent address at Leeds, but I should like to discuss some of his views from the angle of a pharmacist in a London suburb. Granted it does not require a pharmacist to hand out photographic films or D. and P. work, neither is such training requisite to hand over patent medicines, toilet goods and sundries, yet there are many customers who require something more than the mere delivery of goods—they wish to ask questions and to receive advice about their difficulties. It is here that the pharmacist, if he has benefited by his training, is enabled to get a pull over the ordinary trader who merely wants cash for goods without service. Among a number of customers and friends I only know one who has a ciné camera and projector, and I have made inquiries from several who, I thought, might be interested, to find that they thought the hobby too expensive for them. Yet most of them own a camera of some kind and buy roll film from time to time, and one or two are quite enthusiastic amateurs. Theoretically, I am as much against the introduction of sixpenny packs as anyone, but unless one is wilfully blind one cannot fail to see that there is a tremendous public for the small-size, low-priced article. The sixpenny bazaars show profits running into millions by meeting this demand. Therefore, unless the pharmacist wishes to drive still more of his customers to the sixpenny shops he is obliged to stock and show these sizes. With regard to own name proprietaries I have adopted the principle of running one good cough mixture, indigestion remedy, and so forth; thus when a customer asks for one to be recommended I can always hand over my own, and these have become known locally, so that their sale has developed into a profitable side of the business. These and drugs are all packed on the premises. When it comes to discussing insurance dispensing Mr. Hirst evidently makes the same mistake as so many chemists in thinking that this work shows a larger net profit than counter sales. Because the cost of drugs works out nearly the same as the dispensing fee, the chemist reckons the gross profit at 50 per cent., and therefore thinks there must be a better net profit than on other goods. I have never seen for insurance work costing sheets such as are used in manufacturing houses to ascertain the cost of the materials and labour to produce the finished goods, and it is doubtful whether an accurate one could be made out, as there are so many details of time and work involved and these are so disjointed; but if it could, those chemists who look on panel work as so profitable would experience an unpleasant surprise. Some indication may be obtained by a comparison between the sale of a tube of toothpaste at 1s. 3d. (costing 10s. per doz.), an operation taking a minute with no work, and the dispensing of an insurance script for lot. calamin. oleos. N.I.F. ʒviii.—Yours faithfully,

SUBURBANITE (12/1).

Competition from Outside

SIR,—In the absence of any definite scheme for dealing with manufacturers and wholesalers who supply traders indiscriminately with chemists' packed goods and pharmaceutical supplies generally, the individual chemist should make up his own "Black and White List," and cease dealing with the "blacks." The other day a manufacturers' agent called for an order, and incidentally told me he had gone to the works manager of a factory near by and booked an order. He did not book mine. We have too long tolerated such tactics. While on this theme may I be allowed to offer a word of caution to super-salesmen not to overdo things in the matter of loading up chemists. Generally they succeed once.

Yours truly,

BLACK AND WHITE (12/2).

A Reformation Desired

SIR,—Please permit me to correct an error which through my own carelessness appeared in my letter in *C. & D.* correspondence on February 9 entitled "A Reformation Desired." I refer to the words "at least one-third practising pharmacists, chosen from the rank and file, one-third representing consumers' interests, and one-third Government representatives." Actually, I am informed by Mr. Wood that under Fascism there will be a pharmaceutical category functioning within the corporation of National Health Services, one-half of which will be elected by pharmacist employers and one-half by employees in pharmacy, and to this body will be added one or more Government nominees representing consumers' interests. In any case, all pharmacists having the future status of their calling at heart are urged to obtain first-hand information of the B.U.F. proposals from Mr. Wood, for apparently no other political group gives pharmacy a moment's thought.

Yours, etc.,

J. R. WILSON, M.P.S.

Wakefield.

An Appeal

SIR,—May I appeal, through the courtesy of your columns, to the younger pharmacists, i.e., those qualified since 1920, in the Doncaster, Mexboro', Swinton and Wath districts, to support the meeting of the Sheffield and District Branch to be held at Swinton on February 28? Several young pharmacists are making the journey from Sheffield and wish to meet and exchange views with their "brother pharmacists" in the district.—Yours faithfully,

E. A. KIRMAN.

Sheffield, 11.

Miscellaneous Inquiries

When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for, and how. We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them

N. H. (29/58).—HAIR-DARKENING POMADE.—The following formula for a hair-darkening ointment is given in "Pharmaceutical Formulas," Vol. II, p. 262:—

Silver nitrate	1 gm.
Ammonium carbonate	1·5 gm.
Rose water	20 drops
Pomade	30 gm.

For darkening the hair and beard apply twice weekly.

C. H. H. (14/11).—POLISHING POWDER.—This is stated to be of German origin and "is used in connection with the polishing and cleaning of jewellery, silver plate, rolled gold, and chrome plate. The powder is mixed with water, and the work to be burnished is mixed with the powder and water in a rumbling barrel for a varying period of time." It consists of sodium carbonate, probably in the form of soda ash (say 60 per cent), soap (say 20 per cent.), and a tartrate, probably in the form of cream of tartar, as potassium is also present.

A. D. (29/10).—SEED DRESSING.—This is a liquid preparation of the coal-tar type, in which pitch is a characteristic component. Such preparations when used for seed dressings sometimes include a small proportion of mercury compounds. None was detected in this sample, but small quantities are difficult to detect in such mixtures.

Salmon (19/58).—DISCOLOURED VANISHING CREAM.—The cause of a fungoid-like growth on the surface of the vanishing cream may be due to any of the following causes: The cream coming in contact with (1) cork wad in the lid; (2) tissue used to cover the cork; (3) cardboard pad not sufficiently waxed; (4) a tin lid; (5) rubber rings in the lid; (6) lacquer on the cover becoming loose. Any of these may cause discoloration of the cream, producing the appearance of a fungoid growth. Further, if the lid is tightly closed while the cream is still hot, this will give rise to a fungoid growth. Occasionally the stearic acid is at fault, and this can be rectified by the addition of a small amount of borax in glycerin. Impure distilled water may be ruled out in this instance.

D. E. (2/38).—CALOT'S SOLUTION.—The formula for Calot's solution was published in the *C. & D.*, 1933, I, 87, as follows:—

Guaiacol	1 part
Creosote	5 parts
Ether	30 parts
Iodoform	10 parts
Olive oil	70 parts

Plumbum (5/38).—DRINKS FOR LEAD WORKERS.—No particular prophylactic drink for lead workers is recommended by the Factory Department of the Home Office. The following are formulas of some sanitary drinks which are in use:—

(1) Orangeade:—

Dilute sulphuric acid..	12 parts
Concentrated infusion of orange.. ..	12 parts
Syrup of orange	40 parts
Water	16 parts

Add 1 part of above to 32 parts of water. The daily dose is 3 ozs.

(2) Magnesium sulphate effervescent (B.P. strength 1 in 2). A dose of about 2 or 3 teaspoonfuls twice a week.

(3) Magnesium sulphate .. .. 2 oz.
Water .. .. 1 gallon
Essence of lemon, sufficient to flavour.

H. W. (12/38).—PERFUMING NAPHTHALENE.—Pine needle oil is the most suitable agent for perfuming naphthalene blocks. For this purpose a solution of 1 part of pine needle oil in 10 parts of industrial methylated spirit is used, taking care not to apply too much of the solution.

J. M. (4/38).—According to Ullmann's "Enzyklopädie der technischen Chemie," iodine is with difficulty soluble in carbon tetrachloride at ordinary temperature—approximately 0.4 per cent. at 0° C. At a temperature of 35° C. 100 grams of carbon tetrachloride will dissolve 2.603 grams of iodine.

Dispensing Notes

A Difficult Nasal Spray

An unusual formula for a nasal spray was sent to us by "K. S." (9/33), who asks for our opinion. Our correspondent rubbed down the powders with the glycerin ac. carbolici, added glycerin ℥j, and with continuous stirring added the water gradually. Both the anæthesin and menthol appear to be precipitated.

[You have here two substances practically insoluble in both glycerin and water. The water is sufficient to liquefy the glycerin so that the menthol floats on the top to a considerable extent. We advise replacing the water with mucilage of tragacanth. Rub down to a fine powder and mix the anæthesin and menthol with the glycerin. Finally, mix in the mucilage of tragacanth. Mucilage made with the finest tragacanth should be used. Label the bottle "Shake the bottle."]

Alkaloid and Alkali

D. M. H. (28/1) asks how to dispense the following prescription, and if spt. ammon. aromat. and liq. strych. hyd. are incompatible:—

Ferri et quin. cit.	℥ij.
Spt. ammon. aromat.	℥iv.
Liq. strych.	℥j.
Tr. nucis vom.	℥j.
Aq.	ad ℥viij.

[Liq. strych. and spt. ammon. aromat. are incompatible and the strychnine would be thrown down if the amount of water was only a few ounces. In the present case, strychnine alkaloid being soluble 1 in 7000 about, 55 minims of liq. strych. would be a safe quantity to dispense in the presence of free ammonia. We have then $\frac{1}{25}$ gr. to be precipitated, which would not be too serious except for the tr. nucis vom.—all of which strychnine content is in excess, containing 0.125 per cent. The doctor should be communicated with and you might suggest that he uses tr. nucis vom. only, increasing the quantity to 1½ drachm. We should not dispense it as it stands.]

Subscribers' Symposium

For interchange of opinion among "C. & D." readers and brief notes on business and practical topics.

Employment with Companies

In his "Half a Century in the Drug Trade" (*C. & D.*, February 2, p. 124) Mr. G. Hampton says that if he were a dictator he would strike off the Register any man who sells his certificate to a company. I wonder how this idea would appeal to the many unemployed qualified men who might have to choose between accepting such a post and the dole. When I first entered pharmacy an assistant who went to a company shop was said to be tarred with the store brush; in these days the process has spread to the whole trade, so that there can be no shame attached to any man who accepts such a post through economic pressure. To be logical, if a man had to lose his qualification for the so-called selling of his certificate when he joined a company for employment, so also should anyone who was connected with a company which had unqualified directors or shareholders. At that rate half the people on the Register would be disqualified at the start.—*Picis* (12/2).

Retrospect of Fifty Years Ago

Reprinted from
"The Chemist and Druggist," February 14, 1885

Statistics of Commercial Travellers' Visits

Mr. W. R. Fowler, of Portsea, sends us a statement showing the visits he had from travellers during 1884. Eighteen travellers for drug houses and 133 for sundries houses called during the year. Of these five of the former and nine of the later category obtained orders. Among sundries are included patents, brushes, sponges, perfumery, mechanical goods, filters, printing, corks, bottles, aerated waters, etc. Mr. Fowler thinks the large increase in the proportion of representatives from sundries houses shows that the trade is getting more and more mixed.

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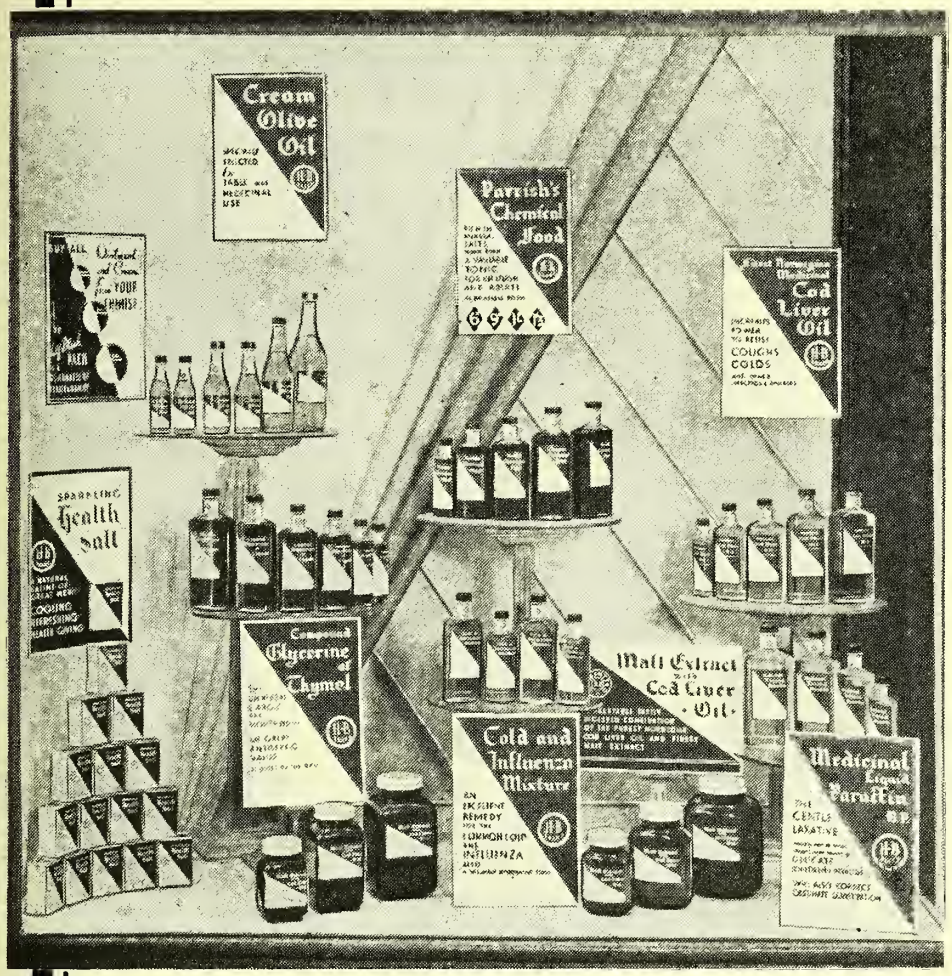

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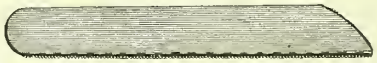

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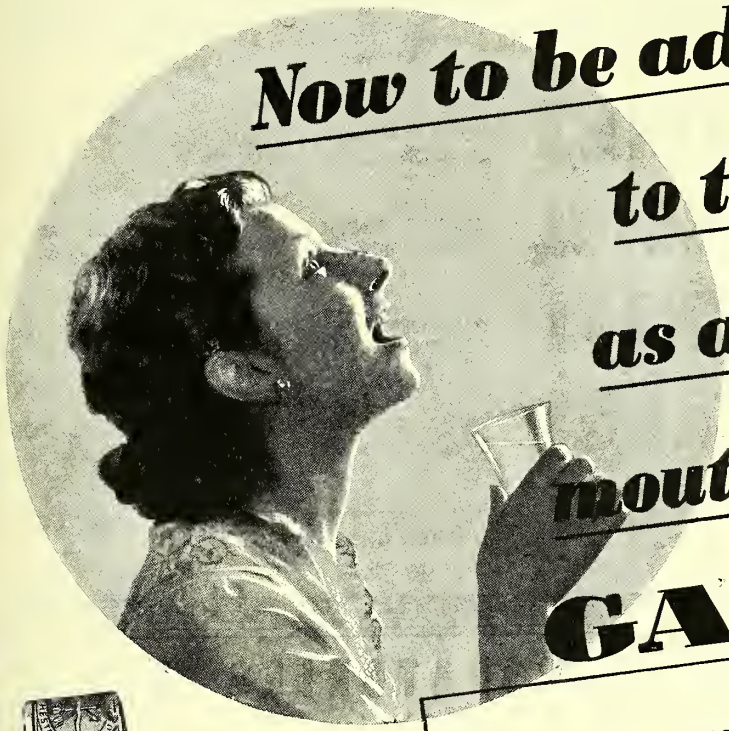


5 oz. size . 1/6
10 oz. size 2/9

W39

For some 50 years Woolley's Phenate of Soda has been the first choice of the Medical and Dental professions as a safe, sure germicide for mouthwash, gargle and antiseptic dressing. It is now to be advertised to the general public—as PHENODA Brand SOLUTION.

For the Chemist PHENODA offers a generous profit and the prestige of half a century's excellent reputation. An attractive showcard will be available.

WOOLLEY'S

PHENODA BRAND

SOLUTION (Phenate of Soda)

JAMES WOOLLEY SONS & CO. LTD.
VICTORIA BRIDGE, MANCHESTER

ANTIPEOL VACCINE FILTRATE FOR LOCAL APPLICATION IN ALL CUTANEOUS INFECTIONS.

CRINEX TOTAL OVARIAN EXTRACT FOR ORAL ADMINISTRATION ACTIVE IN SMALL DOSES.

CODOFORME BOTOL CODEINE BROMOFORM COMPOUND IN TABLET FORM INDICATED IN ALL TYPES OF DRY COUGH.

DETENSYL POLYHORMONIC PREPARATION IN TABLET FORM FOR RELIEF OF HYPERTENSION

ENTEROFAGOS POLYVALENT INTESTINAL BACTERIOPHAGES FOR ORAL ADMINISTRATION.

TAXOL THE PHYSIOLOGICAL TREATMENT FOR CONSTIPATION IN TABLET FORM.

CONTINENTAL LABORATORIES LTD.
30 MARSHAM STREET, S.W.1
Grams :— Taxolabs, Sowest, London.
'Phone :— Victoria 2041

ARNFIELD'S
Raspberry Vinegar
manufactured from Pure Fruit Juice, is the best foundation for cough mixtures. It is absolutely pure and contains no preservatives or artificial flavouring agents.
Send for sample and quotation stating quantity required.
J. C. Arnfield & Sons, Ltd.
Manufacturing Chemists
Wholesale and Export Druggists
Stockport
ESTABLISHED
1786

CAVENDISH CHEMICAL CO. (NEW YORK) LTD.
137 Regent Street, London, W.1
ATOCIN tablets for Rheumatism, Lumbago, &c.
BISMOLAN suppositories and ointment
CARNACTON liquid and ampoules
CAVODOL Cod Liver Oil Compound Tablets
CAVODOL Cod Liver Oil Extract tablets with Iron and Colloidal Copper
ELIXIR NEUROGENIC (Cavendish) Tonic
LIPOLYSIN tablets and ampoules
LECITHIN-YOHIMBIN tablets and pills
PANCRESALETS for Diabetes Mellitus
TESTOGAN and **THELYGAN** tablets and ampoules
YOHIMBIM tablets and ampoules
Literature and further information on request

PARAFFINUM LIQUIDUM B.P.
OLEUM OLIVAE
G. E. THURLEY & SON
UNITY WORKS
LATIMER ROAD
PHONE: MARYLAND 4656
LONDON, E.7.

AN INNOVATION IN

RHINO - PHARYNGEAL THERAPY

ANAQUINTINE Brand
NASAL DROPS

Utilising Dr. Lescene's Drop-Counting Instillator

——ALDEHYDES, THYMOFORM, EUCALYPTOL, EPHEDRINE——

	Retail	Wholesale
Bottle of 22cc. complete with Instillator	**3/6**	**31/6 per doz.**

Your co-operation in promptly obtaining supplies when required will be appreciated.
Telephone : Holb. 6011. Telegrams : Ampsalvas, London

THE ANGLO-FRENCH DRUG CO., LTD.
11-12 Guilford Street, London, W.C.1

HALMAGON
BRAND World-wide Registered Trade Mark TABLETS

SAPO MOLLIS VIRID B.P.

FOR PHARMACY & TOILET USE
We are in a specially favourable position to quote. Prices and Samples sent on application. Please state quantity required. Wholesale only.

BLEASDALE Ltd. MANUFACTURING CHEMISTS **YORK**

BONUS FOR 'ENDRINE' DISPLAY

1 BOTTLE FREE ON A MINIMUM ORDER OF 1 DOZEN 'ENDRINE' IN RETURN FOR A FORTNIGHT'S DISPLAY

Your usual Wholesaler will fill your order and we will send you the bonus bottle and attractive showcard direct.

During February—the peak month for colds and catarrh—an intensified campaign with the Doctors will ensure that you receive increasing prescriptions for this widely prescribed line. See your stocks are adequate to meet demands.

PETROLAGAR LABORATORIES LIMITED, Braydon Road, London, N.16

If a man can make a better Ointment pack it better and give better service than his neighbour, the world will beat a path to his door. (with apologies to Emerson)

That is why the world comes to

BLACKIE

for

Spun Ointments

Phone : Hop 2422 (Private Exchange). Wires : Ushenspuna, London.

Write to or call at

SHEN WORKS, TOWER BRIDGE ROAD, S.E.1

Specialists in Ointments and all packed goods, toilet and medicinal preparations.

Rivista Italiana delle Essenze, dei Profumi e delle Piante officinali

SEVENTEENTH YEAR OF PUBLICATION

OFFICIAL ORGAN OF THE FENACHIMICI

Director : - - - - Dr. EMMA FENAROLI
Editorial Offices : - VIA S. VINCENZO N.38 MILAN
Telephone : **31 216-C.P.850**

Producers of Aromatic Substances for Perfumery—Manufacturers of Articles used in the Perfumery Trade—This is the Periodical in which to Advertise effectively in Italy.

MAKE USE OF ITS ADVANTAGES

SAMPLE COPY AND TARIFF ON REQUEST

PERSISTENCE PAYS IN ADVERTISING

SHOW 'ASPRO' DISPLAY MATERIAL CONTINUOUSLY AND DOUBLE YOUR SALES

It definitely pays to show continuously a commodity which is continuously advertised. Furthermore, the greater the amount of money spent on advertising it, the greater are the sales for those who continuously display it in their windows. From an economic standpoint 'ASPRO' must have a great appeal to your consideration in this respect . . . for 'ASPRO' is the most CONTINUOUSLY advertised line and is supported by the LARGEST advertising appropriation for any line of its kind in the world. So keep showing 'ASPRO' and you keep selling 'ASPRO'. Furthermore, an 'ASPRO' window display brings dozens of customers into your shop who might not otherwise have come. Let us suggest then that you give 'ASPRO' a continuous display for, say, the next month or two—keep a check on your sales—notice the number of customers it brings into your shop who naturally buy other goods—then you can prove what a great stimulus 'ASPRO' advertising is to your general sales and general satisfaction.

BONUS ON 'ASPRO' 5's

A bonus of ½ dozen packets of 5 on each ½ gross order is now given on the same terms as the other sizes. Take advantage of this valuable concession.

ANOTHER 'ASPRO' SELLING AID—

CHEMISTS' BAGS AND ENVELOPES

PRICES ARE :—	PER 1,000
Kristal Envelopes -	2/6
Greaseproof 2oz. Bags	1/-
Greaseproof 2oz. Bags (long) - - -	1/6

Cash with Order.

Agents:

GOLLIN & CO. PTY. LTD.

('Aspro' Dept.), SLOUGH, Bucks.

Telephone . SLOUGH 608

'ASPRO' consists of the purest Acetylsalicylic Acid that has ever been known to Medical Science, and its claims are based on its superiority.

Made by ASPRO Ltd., Slough ENGLAND

No proprietary right is claimed in the method of manufacture or the formula.

'ASPRO' REG. TRADE MARK

Stock the pastille with the name!

Grips have a name to be proud of. Over 30 years of steady spade work has established them in public favour everywhere. Their purity and efficacy are known far and wide, and chemists know them to be a "safe line" with ready sales. Ask for samples and terms. National advertising supports sales.

Agents to the Wholesale & Retail Chemists' Trade
THOS. CHRISTY & CO., 4-12 Old Swan Lane, LONDON, E.C.4

'GRIPS'
FIRST-AID PASTILLES

Made by Lightbourns Ltd., Accrington

"CLARKES"
Brand

World-famed Blood-purifying Medicine

"BLOOD MIXTURE"
Brand

Registered Trade Mark

UNSTAMPED, FOR SALE BY CHEMISTS ONLY

P.A.T.A. PRICES

"CLARKES" *Brand* **BLOOD MIXTURE**
(Liquid and Tablets)

Retail **3/-**. 3 doz. lots **£4 - 4 - 0** *less* $3\frac{3}{4}\%$ *one month*
12 „ „ **£16-16-0** „ $8\frac{3}{4}\%$ „ „
CARRIAGE PAID PACKING FREE

ASSORTED ORDERS

	Retail	Per doz.
"CLARKES" *Brand* **"BLOOD MIXTURE"** (*Liquid and Tablets*)	3/-	28/-
"BLOOD MIXTURE" (*Liquid only*)	12/-	112/-
SKIN LOTION ...	1/3	11/8
SALVE	1/3	11/8
„	3/-	28/-
„	5/-	46/8
APERIENT PILLS ...	1/3	11/8
„ „ ...	3/-	28/-
MEDICATED SOAP		Doz. tablets
Box 3 tablets ...	2/6	7/10
Single tablets ...	1/-	

Orders may be assorted as desired at above rates provided they reach minimum values, as follows :—
£4 - 4 - 0 *less* $3\frac{3}{4}\%$ *one month*
£16 - 16 - 0 „ $8\frac{3}{4}\%$ „ „
CARRIAGE PAID PACKING FREE

ORDERS may be sent direct or through the usual wholesale houses.

The Lincoln & Midland Counties Drug COMPANY, LIMITED

PARK STREET, LINCOLN

Telegrams : "Lindum, Lincoln." Telephone : Lincoln 55

WE ARE IN A POSITION TO SUPPLY

FROM STOCK

ALL MEDICAL PROPRIETARIES

AT MANUFACTURERS' PRICES

and in addition we are able to give any Technical Information required concerning any product.

Immediate attention given to Orders

W. MARTINDALE

• LONDON •

'PHONE : Langham 2441. 'GRAMS : Martindale Chemist

Give 'em Jocks!

Door opens—customer enters—irritating cough—sore chest—wants relief—something cheap—here you are sir—tin of Jocks—never fail—only threepence—quick results—quick sale—ting a ling.

JOCKS

STOP THAT TICKLING

Definitely a line which sells quickly. Retail 3d. a tin. Priced 2/3 per doz. tins in attractive display outer. Ask for Sample.

HIRST, BROOKE & HIRST LTD., MFG CHEMISTS, SHEEPSCAR WORKS, LEEDS.

Buyers of BOX'S PILLS often bring in their friends

Most sufferers who find amazing relief through Box's Pills gladly "tell the world" and Chemists displaying the pills attract steadily increasing business.

Supplies obtainable from the usual wholesalers or the sole manufacturer :—

STRIKING DISPLAY MATERIAL FREE ON DEMAND

W. H. BOX
161 KING STREET, PLYMOUTH

MAKE BOX'S PILLS THE "FIND" OF YOUR DISTRICT!

PERRY'S POWDERS

TRADE MARK

GIVE A GOOD RETURN
NICE TO HANDLE—EASY TO SELL
Wholesale from PERRY'S POWDERS, Ltd., LEEDS

Ergoapiol-(Smith)

REG. U. S. PAT. OFF. & FOREIGN COUNTRIES

CONSTANT prescription demand is assured by our continuous and extensive advertising campaign.

An adequate stock of ERGOAPIOL should be maintained at all times. Supplied only in packages of twenty capsules each.

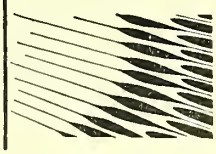
For the mutual protection of the ethical pharmacist, the physician and our product, the initials "MHS" are embossed on the inner surface of each capsule, visible only when capsule is cut in half at seam as shown.

MHS

MARTIN H. SMITH COMPANY
NEW YORK, N.Y., U.S.A.

THOS. CHRISTY & CO., LTD. OLD SWAN LANE, LONDON, E. C. 4
Agents for Great Britain and Ireland

Every Morning



HAVE A GLASS OF

Rexall HEALTH SALT

The best of all health habits is a morning drink of Rexall Health Salt. It's just the thing to banish sluggishness and keep you right for the day—and every day.

6d. 4 oz. Size 10½d. 8 oz. Size

OBTAINABLE FROM REXALL CHEMISTS

Enquiries to United Drug Co. Ltd., Nottingham.

Specimens of Rexall Newspaper Advertising

supporting the Spring Concentration by the

Rexall CHEMISTS OF GT. BRITAIN

The most effective Springtime TONIC –

The ideal tonic for cooling the blood in Spring. It will be found invaluable after illness for giving you appetite and energy. Keep a bottle handy—especially at this time of the year.

Rexall SYRUP OF HYPOPHOSPHITES

4 oz. BOTTLE 1/- 8 oz. SIZE 1/9

Obtainable from all

REXALL CHEMISTS

Full Rexall price list from United Drug Company Limited, Nottingham.

C.F.H.

Enquiries from districts not covered by a Rexall agency will receive every attention

UNITED DRUG COMPANY LTD. NOTTINGHAM.

C.F.H.

DeVilbiss

No. 29
SPRAY

NOSE & THROAT

The well-known Atlas Continuous Spray No. 29 is suitable for spraying either oil or water solutions. The new fluted nasal guard is permanently fixed and is used as a tongue depressor when the throat is being sprayed.

PRICE 40/- per dozen

AEROGRAPH CO. LTD.
43 HOLBORN VIADUCT
LONDON, E.C.1

CVS—75

See that you hold Stocks
of this
Safe & reliable Family Remedy

ESTABLISHED OVER 80 YEARS
AND STILL IN UNIVERSAL DEMAND

Dr. J. Collis Browne's
CHLORODYNE

ORIGINAL AND ONLY GENUINE

80 YEARS' WORLD-WIDE REPUTATION

Please order from your Wholesaler with other goods

Sole Proprietors:
J. T. DAVENPORT LTD.
UNION STREET, LONDON, S.E.1

SOLD ONLY THROUGH CHEMISTS
SIZES 1/3, 3/-

'SAMARITAN'...THE ONE OLIVE OIL FOR CUSTOMER SATISFACTION

In its attractive wrapping, Samaritan gleams like liquid sunshine, so obviously pure and fresh. Samaritan Oil will create sales on appearance—it will keep them by reason of its delicacy of flavour due to the special choice and blending of the Spanish olives.

It is supplied in 2½, 5, 10 and 20 oz. bottles with attractive showcards.

We invite every Chemist to write for a free sample bottle and trade terms.

THORNTON AND ROSS LTD

Manufacturing Chemists,

MILNSBRIDGE, HUDDERSFIELD

T.R.3

PETROLEUM JELLIES

WHITE, LEMON, YELLOW, AMBER, RED, GREEN.

WHITE & COLOURED OILS

YELLOW, GREEN, RED FOR BRILLIANTINE, etc.

LIQUID PARAFFIN

COLOURLESS, TASTELESS, ODOURLESS.
ALL SPECIFIC GRAVITIES.

B.P. AND TECHNICAL QUALITIES

Wholesale Trade only.

STERNS LTD.

16 FINSBURY SQ., LONDON, E.C.2, ENGLAND

Telephone: NATIONAL 7644 (7 lines)
Telegrams: "CENTUMVIR, PHONES, LONDON."

There is no Efficient Substitute for Cod Liver Oil

Go the direct road to Nature's fount of health — Norwegian Cod Liver Oil; you will then be on safe ground.

•

All things considered, there is nothing *better* or *quite so good* for its purpose. Neither halibut liver oil nor any artificial vitamin preparation can wholly replace Norwegian Cod Liver Oil. These substitutes may indeed have some of the properties of Cod Liver Oil, but not one of them possesses all the benefits which Cod Liver Oil alone can give. Always buy Norwegian Cod Liver Oil — Natures own remedy.

NORWEGIAN COD LIVER OIL

Pure Orange Wine

(VINUM AURANTII B.P. 1914)
Prepared in strict accordance with the Formula of the British Pharmacopœia.

A. MILLAR & CO. LTD., DUBLIN
(Wholesale only)
Samples from Head Office, Thomas Street, DUBLIN, or London Office, 74 Great Tower Street, LONDON, E.C. 3.

KOMPO FOR COLDS

Wholesale Prices
1/3 Size
11/6 per dozen net
3/- Size
27/6 per dozen net
Carriage Paid Gross Quantities or equivalent.

Manufactured only by
J. F. WHITE & CO., Chemists
BENSON STREET, LEEDS.
Counter Bills free on application.

PETROLEUM JELLY "*Salvo Petrolia*" Brand
THE PERFECTION OF PETROLEUM JELLY
IN BARRELS, KEGS, OR SMALLER PACKAGES IF DESIRED

THE **DEE OIL Co. Ltd.** DELTA WORKS, BOOTLE, LIVERPOOL.
Phone: Bootle 1897 *Wires: "Cestrian, Liverpool."*
LONDON OFFICE: 11 POULTRY, CHEAPSIDE, E.C. 2. Phone: City 8455

Other grades of Petroleum Jellies, White Bases, &c., WHITE OILS, B.P. and Technical
OLEUM DEELINAE (DEE OIL) THE UNFAILING CURE FOR ECZEMA

Buy British

BIOLOGICALLY TESTED

Samples and quotations on request

Isaac Spencer & Co. (ABERDEEN) Ltd.

ALBERT QUAY, ABERDEEN, SCOTLAND

The new plaster that *can be washed*

Drybak, the new waterproof adhesive plaster can be applied in every case where a plaster is required, and can be left on as long as desired owing to the fact that it remains neat and clean for an indefinite period.

Drybak becomes instantly fresh and clean after washing in soap and water. It stays in place without curling or becoming ragged at the edges—and keeps the wound dry, doing away with the necessity for changing the plaster and thus disturbing the cut or abrasion it covers. Drybak is made in all convenient forms and sizes.

DRYBAK

THE PLASTER THAT STAYS CLEAN

Send a postcard for trade terms to-day.

Johnson & Johnson
(G.T. BRITAIN) LIMITED
SLOUGH, BUCKS

Associate Companies
AUSTRALASIA: Johnson & Johnson Ltd., 194/200 York Street, N. Sydney.
SOUTH AFRICA: Johnson & Johnson (Pty.) Ltd., 20 Prichard Street, Johannesburg.
Representatives and Agents in
NEW ZEALAND, INDIA, CHINA, JAPAN, & the principal European Countries.

Anxiety . .

she will be glad you reminded her of

BRAND'S ESSENCE

IN every town — in your own district — there are anxious men and women with husbands, wives, children and friends critically ill — men and women who want to help someone on a sickbed to win back to health. They will be grateful to be reminded of Brand's Essence as they pass your shop, or when they come to your counter.

Brand's is a welcome gift in the sickroom because Brand's revives strength. Keep your stock of Brand's well displayed and tie in with the Brand's Essence advertising.

Brand's display material is gladly supplied free. Write for show card as illustrated.

In these illness months

SHOW BRAND'S

BRAND & CO. LTD., MAYFAIR WORKS, LONDON, S.W.8

Pharmaceutical

CASTOR

PREMIER

OIL

Tasteless
Water-White

Made in England by

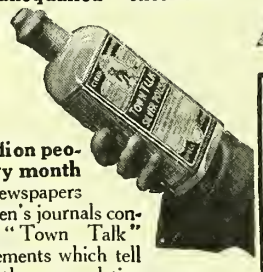
THE PREMIER OIL EXTRACTING MILLS
HULL Ltd.

Telegrams: "Premier, Hull" *Telephone: 15191 (8 lines)*

THE TOWN TALK 5

LIQUID SILVER POLISH
SILVER PLATE CLOTH
LIQUID PEWTER POLISH
CHROMIUM PLATE CLOTH
GLASS POLISHING CLOTH

Five lines that the housewife regularly buys because of their unequalled excellence



Ten million people every month buy the newspapers and women's journals containing "Town Talk" Advertisements which tell readers the superlative qualities of "Town Talk," also that it is sold by Chemists.

That is why stockists do not have to sell "Town Talk"— they are asked for it.

Order the "Town Talk" 5 quick-selling repeat-order lines. They give a generous profit.

Additional "TOWN TALK" Sales Helps supplied free on request. Showcards, Window Displays, Samples, Leaflets, Cinema Slides, Blocks for own advertising.

TOWN TALK POLISH Co., MANCHESTER

You do not have to sell 'TOWN TALK.' Women BUY it.

ORDER DIRECT OR FROM:

James Woolley Sons & Co., Ltd., Manchester
Ayrton, Saunders & Co., Ltd., Liverpool
Brooks & Warburton, Ltd.
Goodall, Backhouse & Co., Leeds
May, Roberts & Co., Ltd., London

A HANDFUL OF DAILY SELLERS

BEECHAM'S PILLS
BEECHAMS BRAND POWDERS
BEECHAMS BRAND LUNG SYRUP
LACTOPEPTINE BRAND

You as a progressive chemist must realise that under modern competitive conditions it is essential that your business should function busily for 300 days of the year, and consequently you must stock and push those goods which sell on each and every one of those 300 days—You must concentrate on the DAILY SELLERS. That is the only basis for really profitable business. Now the Beecham Products are looked upon as being the best DAILY SELLERS in the TRADE. There are no losses on them. All damaged stock is replaced free. They are protected under the regulations of the P.A.T.A., yield fair profits, and are by far the best paying proposition to handle. As we regard everybody as a potential customer for one or more of our lines, keep the Beecham Products before the public and increase your Daily profits.

A BEECHAM PRODUCT

STOCK MORE—
SHOW MORE—
SELL MORE—
BEECHAM PRODUCTS

The 'Beecham Seal' is a symbol of purity, safety, efficacy. It emphasises the superiority of the BEECHAM PRODUCTS.

BEECHAMS PILLS LTD.
ST. HELENS, LANCS.

WATERGLASS—

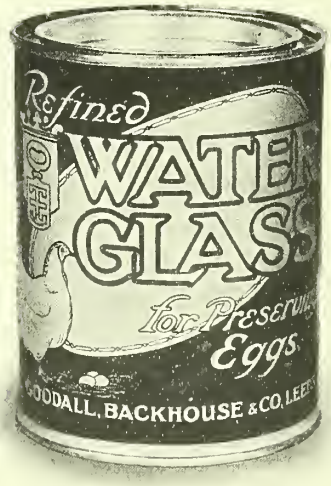
GOODALL'S is the pack that sells

let your 1935 slogan be "Goodall's for Waterglass"

OF all the packers of Waterglass in Great Britain our output, we believe, entitles us to second place at least. That is the position we have maintained many years by a settled policy of keenest prices, excellent delivery and a range of splendid packs—printed tins. The value we offer starts at the beginning—the tins—for we have an extensive Tin-box Factory and make them ourselves.

HANDSOME PACKS ONLY—Good looks sell Waterglass as everything else, and so the handsome printed tins (choice of three is offered so as to avoid any local overlapping) are a helpful sales factor. Further, they do not deteriorate, and can, if necessary, be carried over unharmed from one season to the next.

for WRITE for quotations to-day and be *early* with your display.



—finest pack

Specially reserved for Pharmacists

(own name if required)

—keenest prices

let Goodall's quote.

GOODALL, BACKHOUSE & CO., LTD., LEEDS

[58/34]

The CHEMIST AND DRUGGIST

Established 1859 28 Essex Street, Strand, London, W.C.2 *Registered as a Newspaper*

No. 2872
VOL. CXXII

FEBRUARY 23, 1935

Annual Subscription (with Diary) 20/-. *Single Copies* 9d.

ALFRED BISHOP'S ALL BRITISH

Granular Effervescent *Preparations*

CITRATE of MAGNESIA · VARALETTES · LIVER SALINE · VARASAL · LITMOPYRINE

★

Alfred Bishop

LIMITED

48 Spelman Street, London, E.1

TRADE MARK

The Sign of Scientific Excellence

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The CHEMIST'S
Shaving
Cream
PARKE-DAVIS
SHAVING
CREAM
PARKE DAVIS
& COMPANY
LONDON
W.1.
PARKE DAVIS
& COMPANY
LONDON
W.1.
MADE IN ENGLAND
FOR SALE BY
CHEMISTS ONLY
Send
for
Terms
PARKE, DAVIS & CO., 50 BEAK STREET, LONDON W.1

PRODUCTS OF THE GLAXO LABORATORIES

56 Osnaburgh Street,
London, N.W.1
Museum 8040 (3 lines)

PRODUCT & PRICES	DESCRIPTION	INDICATIONS	SUGGESTED DOSAGE
ADEXOLIN **Liquid** ½ oz. phials (with ½ m. dropper) 2/6 2 oz. bottles (with ½ m. dropper) 7/6 4 oz. bottles 12/6 8 oz. bottles 22/6	Virtually tasteless and odourless. Contains in each m. 4,000 units (12,000 international units) of vitamin A and 2,000 international units of vitamin D, equivalent in both vitamins, to balance and purify, to 2½ m. of medicinal cod-liver oil.	For the prophylaxis and treatment of specified infections, e.g. virulent colds, respiratory infections, tonsilitis, otitis, bronchitis and measles the risk of recurrence to protect against purulent processes and to safeguard the health and promote the normal development of the bones, to prevent rickets and infantile diarrhœas and deficiency diseases; to promote and retain health during growth and pregnancy, to ensure a sufficient supply of vitamins A and D to persons in a feeble state, or on the convalescence of measles and other exanthemata.	INFANTS, add 1 drop to every bottle feed. CHILDREN, 1½ drops daily. ADULTS, 3 drops daily. EXPECTANT & NURSING MOTHERS, 3 drops daily. TREATMENT. In acute infections up to 10 m. every hour may be given until the infection is well under control.
ADEXOLIN **Capsules** Boxes of 25 2/9 Boxes of 100 9/6 Tins of 500 39/6 Tins of 1,000 56/-	Each 3 minim capsule contains 36,000 units (6,000 international units of vitamin A and 1,000 international units of vitamin D equivalent in both vitamins to balance and purify, to 20 grains of medicinal cod-liver oil.		PROPHYLAXIS: ADULTS, 1 capsule daily. CHILDREN, as proportionate dosage. EXPECTANT MOTHERS, 1 daily for the last month of pregnancy. TREATMENT: From 4 to 6 capsules or more daily, if necessary, may be given.
SYRUP MINADEX 6 oz. bottles 2/6 80 oz. bottles 22/6	A modern adaptation of the well-known popular tonics:—(1) Syr. Ferri Phos. Co., represented by true, natural, glycerophosphate, sodium and potassium, combined with copper and manganese. (2) Extractive-represented, not by the ill-effects but by the active principles. Each dose of Syr. Minadex is equivalent to fifty grains (three grammes) of medicinal cod-liver oil.	All the components of Syrup Minadex contribute to the fulfilment of well-known patient's requirements—in overcoming anæmia, increasing the nervous system, maintaining normal calcium and phosphorus metabolism, and stimulating appetite. A desirable appetising tonic for all persons.	CHILDREN, under two years of age, ½ teaspoonful. UNDER 7 YEARS, 1 teaspoonful. ADULTS, 2 teaspoonfuls. To be taken preferably after the meals, with or after meals. It is the regular dose.
OSTELIN **Liquid** ½ oz. phials 2/6 2 oz. bottles 7/6 4 oz. bottles 12/6 8 oz. bottles 22/6 4 oz. bottles Ostelin Plain	Equivalent in vitamin D* to 50 times the fish volume of medicinal cod-liver oil. Being miscible with water and hence in incompatibles it can be prescribed in mixtures with other therapeutic agents. The *same vitamin D preparation* has been successfully	For infants and other conditions associated with defective metabolism of calcium and phosphorus, or conditions in which there is an extra demand by the body for these elements.	INFANTS, ½ teaspoonful daily. CHILDREN, from 1 drop daily. ADULTS, from 5 drops daily. The Plain Ostelin is of value where vomiting makes oil preparations.
OSTELIN **Emulsion** 4 oz. bottles 3/6 80 oz. bottles 10/-	An exceptionally palatable emulsion equivalent in vitamin D* to its fish volume of medicinal cod-liver oil and also containing 2 grains of calcium glycerophosphate in each fluid ounce.	Owing to loss of fatty vitamin and phosphorus metabolism, a notable general tonic, particularly for rickets. Ostelin is prescribed for malnourished and for under-weight children with defective assimilation, febrile and toxic conditions, and for convalescence.	INFANTS, ½ teaspoonful daily in milk feeds. CHILDREN, 1 to 2 teaspoonfuls daily in milk feeds. ADULTS, 1 to 2 teaspoonfuls 3 times a day.
CALCIUM SODIUM LACTATE with OSTELIN Tablets (OSTOCALCIUM) Tins of 50 2/6 Tins of 100 4/6 Tins of 500 18/6	Each tablet contains ½ grains of calcium sodium lactate, together with 50 international units of vitamin D in which are the most suitable means of administering calcium therapy by the mouth. It is essential in incipient rickets, where a sufficient quantity of available calciferol is required to ensure its absorption.	All conditions wherein the calcium content of the blood is — owing to the non-ingestion of this mineral deficient. Chronic renal cases, chronic gastro-intestinal and other cases of hæmorrhagic, pleural effusion, tuberculosis, pleurisy, etc., in which it is necessary to maintain the calcium content of the blood at a high level. Also for the treatment of pregnancy and lactation.	ADULTS, 1 to 2 tablets 3 times a day. CHILDREN, ½ to 1 tablet 3 times a day. INFANTS, ¼ to ½ tablet 3 times a day.
GLUCOSE-D 1 lb. tins 1/9 7 lb. tins 10/-	High-grade purified anhydrous glucose 98% combined with Ostelin Plain* and a readily assimilable compound of calcium and phosphorus.	The glucose is utilized—owing to its ready assimilation—as a source of energy, while the Ostelin promotes the proper utilization of the calcium and phosphorus. Suitable for the nervous system, for the treatment of rickets, and for the normal development of the bones and teeth.	ADULTS, 1 teaspoonful in ½ pint of water, milk or fruit juice. CHILDREN, ½ teaspoonful in ½ pint of water, milk or fruit juice.
FERROUS SULPHATE **Tablets G.L.** Bottles of 200 2/6 Tins of 500 7/6	Each tablet contains approximately ferrous sulphate in an amount sufficient to give exactly 1 grain of ferrous iron, also 1/100 grain each of copper and manganese, both present as sulphates. Represents pure compounds and does not contain that other ten preparations of the class.	Immediate effects in the treatment of hæmic anæmias in children, in the chlorosis of adolescence and in the anæmias of pregnancy and lactation. Nursing those due to hæmorrhage. Also valuable as an adjunct in the treatment of pernicious anæmia by liver and stomach medicinal treatment, if the iron is present.	ADULTS, 1 tablet 3 times a day after meals. CHILDREN, ½ to 1 tablet 3 times a day after meals. To be taken after meals. Each tablet contains 1 grain Sulphate of Iron B.P.

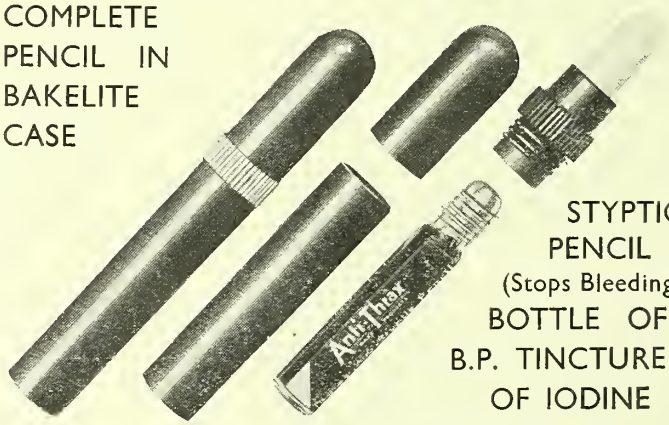
ABSOLUTELY **FREE** FOR YOUR OWN USE

ONE **Anti-Thrax** REGD. SAFE BRUSHES LONDON MADE

No. 1 Iodine & Styptic Pencil (Prov. Pat. No. 31484/33)

which retails at 6d. complete. Trade Price 4/- Doz.

COMPLETE PENCIL IN BAKELITE CASE



STYPTIC PENCIL (Stops Bleeding)
BOTTLE OF B.P. TINCTURE OF IODINE for Sterilising

PACKED 1 DOZ.

The No. 2 Pencil is as above but with STAINLESS Tincture of Iodine.
Retails at 6d. complete. Trade 4/- Doz.
Refill Bottles of Iodine for either pencil retail at 3d. Trade 2/- Doz.

Edward Hack, 69 Farringdon Road, London, E.C.1

Telephones: Holborn 1000, 6000, 9000.

FREE VOUCHER.

Please complete and enclose with your next order to your WHOLESALER.

TO MY WHOLESALER (Not to Anti-Thrax)
Please send me ABSOLUTELY GRATIS a No. 1 Anti-Thrax Iodine & Styptic Pencil

Wholesalers will receive one Anti-Thrax Iodine & Styptic for every completed voucher they send to EDWARD HACK.

NAME & ADDRESS OR STICKER.

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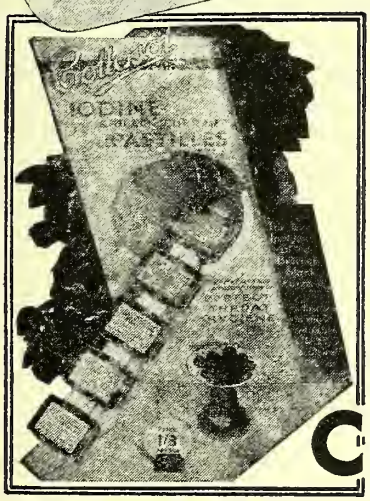
A QUICK SELLING LINE



A product which sells itself on its own merits and shows a margin of profit varying from 72 per cent. to 91 per cent. on outlay when advantage is taken of the generous bonus terms offered.

Two displays are available this year, both of which are of unique and compelling design, the larger being featured inset.

Do not be caught this winter without sufficient stocks.

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COLLOSOL (Reg'd.)

IODINE & BLACK CURRANT PASTILLES

THE CROOKES LABORATORIES (British Colloids, Ltd.)
PARK ROYAL, LONDON, N.W.10
Telephone: Willesden 6313 (3 lines). Telegrams: Collosols, Harles, London

GIVING 91% PROFIT ON OUTLAY

Famous Figures

(19)

In Pharmacy AND ITS ALLIED FIELDS

CARL WILHELM SCHEELE

Carl Wilhelm Scheele (1742-1786) who has been called the founder of plant-chemistry, is one of the greatest pharmaceutical chemists of all time. He opened a new epoch in pharmacy.

Born at Stralsund in Pomerania, he was apprenticed to an apothecary in Gothenburg.

Thoughtful and of tireless industry, Scheele possessed an astonishing memory, he had only to read a scientific work once to make it a permanent part of his knowledge. The results of his work are mostly preserved in his communications to the Secretary of the Stockholm Academy of Sciences.

In 1768 he journeyed to Stockholm where he made the first of his outstanding discoveries. These concerned cream of tartar from which he isolated tartaric acid; and phosphoric and hydrofluoric acid (1771). A year or so later he became the protege of Bergmann, a teacher of chemistry in Uppsala, and it was here he discovered potassium permanganate, manganese dioxide, barium oxide, chlorine, and arsenic acid. Subsequently he discovered ammonia, hydrochloric acid gas, and oxygen, the latter independent of Lavoisier and Priestley.

At 32 he became the first pharmacist member of the Swedish Academy of Sciences.

His further contributions to pharmacy include the identification of glycerine, the discovery of citric, malic, gallic, oxalic, uric and mucic acid, ethyl acetate, ethyl benzoate, amyl alcohol, and hydrocyanic acid. It is interesting that his isolation of the latter was not accompanied by recognition of its poisonous character.

His accidental inhalation of this, it is said, was the cause of his death, although he suffered greatly from ill health in the last years of his life. Just before he died he married the widow who owned the pharmacy he managed, in order that she might re-acquire the property which he had bought from her, on his decease.

For years Scheele worked indefatigably converting this business, which he found flouudering in debts, into a thoroughly prosperous undertaking, displaying a praiseworthy degree of steadfast purpose and sacrifice of selfish interests.

Like Priestley, Scheele failed to recognise the weakness of the phlogiston theory, although he had in his possession almost all the facts which enabled Lavoisier soon after his time to destroy it completely.

His shortcomings notwithstanding, Scheele looms as the greatest chemical discoverer of his own or any other age.

STAFF ALLENS

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POWDERS

ETC., ETC.

BELLADONNA

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NUX VOMICA

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MANUFACTURING CHEMISTS

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Elasto Reg'd

For Varicose Veins, Varicose Ulcers, Eczema, Piles and all diseases of the veins and arteries.

HERE IS A SPLENDID OPPORTUNITY FOR EXTRA SALES. "ELASTO" IS A NON-COMPETITIVE LINE—ITS SALES MEAN NEW BUSINESS.

Increased advertising now in force. We advise you to show Elasto—It sells on sight!

Prepared in the Laboratories of

THE NEW ERA TREATMENT CO. LTD.
(Dept. C.1),
CECIL HOUSE - HOLBORN VIADUCT
LONDON, E.C.

Full particulars, Showcards and Leaflets on request

Elasto Tablets
5/- *a box*
(One month's supply)

Wholesale
45/- *a doz.*

Elasto Nature Salve
3/- *a box*

Wholesale
27/- *a doz.*

P.A.T.A.

From your wholesaler

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VIONASE BRAND TABLETS

A SPECIAL INTRODUCTORY OFFER

DOES A PROFIT OF 41% INTEREST YOU?

Already heavily advertised to the Medical and Nursing professions, this revolutionary presentation of active ferrous iron and medicinal yeast is now to be advertised to the public in the Radio Times and other Nationals.

As a special introductory offer we will supply at the rate of 14 to the dozen of either the 1/3 or 3/- size. Minimum quantity qualifying for bonus 6 at 1/3 or 6 at 3/-. For every half-dozen bottles you order, we will send seven, representing to you a profit of 41% (56% on cost). You buy the 1/3 size at 11/3 per dozen and sell at 17/6, the 3/- size at 27/- to sell at 42/-.

IT DOES? GOOD—POST THIS COUPON NOW

A 14-to-the-dozen BONUS!

MINIMUM QUANTITY—½ DOZ. OF EITHER SIZE

OFFER CLOSES ON MARCH 5th, 1935

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WILCOX, JOZEAU & Co. Ltd.
15 Great St. Andrew Street, London, W.C.2.

Please send me at the special offer rate of 14 to the dozen ..... 1/3 and ..... 3/- Vionase Tablets.

Name .....

Address .....

C/D.

Increase your Profits

TAKE ADVANTAGE OF

COMBINED QUANTITY DISCOUNTS

ON

"CALIFORNIA SYRUP OF FIGS" (REGD.) Brand Laxative

★ PHILLIPS' DENTAL MAGNESIA

★ "MILK OF MAGNESIA" (REGD.)

★ "MILK OF MAGNESIA" Brand TABLETS

★ "DANDERINE" (REGD.)

£3
Assortment of goods. Through your wholesaler only.
5%
Cash 30 Days

£6
Assortment of goods
7½%
Cash 30 Days

ON ORDERS VALUE **£6** COMPRISED EXCLUSIVELY OF ITEMS MARKED ★ WE WILL CONTINUE TO ALLOW **12½%** CASH 30 DAYS.

All discounts are conditional upon 14 days display of goods.

PROPRIETARY AGENCIES LTD.

179/181 ACTON VALE, W.3. Phone: SHEPHERDS BUSH 4435.

Reduced Prices

On and after February 22nd the prices of Insulin "A.B." will be as follows:

20 units per c.c.
Packed in bottles containing:
5 c.c. (100 units) - **1/6**
10 c.c. (200 ,,) - **2/10**
25 c.c. (500 ,,) - **6/10**

40 units per c.c.
Packed in bottles containing:
5 c.c. (200 units) - **2/10**

80 units per c.c.
Packed in bottles containing:
5 c.c. (400 units) - **5/6**

Retail Discount 25%

INSULIN 'A.B.'

Trade Mark

Joint Licensees and Manufacturers:

THE BRITISH DRUG HOUSES Ltd. LONDON

ALLEN & HANBURYS Ltd. LONDON

The Specialist!

ALL THE FUN OF THE FAIR

This Cocoa-nut specialist brings home the prizes and

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pulls big business results. Remember it is the well-printed package that sells the goods.

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DRUG and ALLIED TRADES
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in all metals

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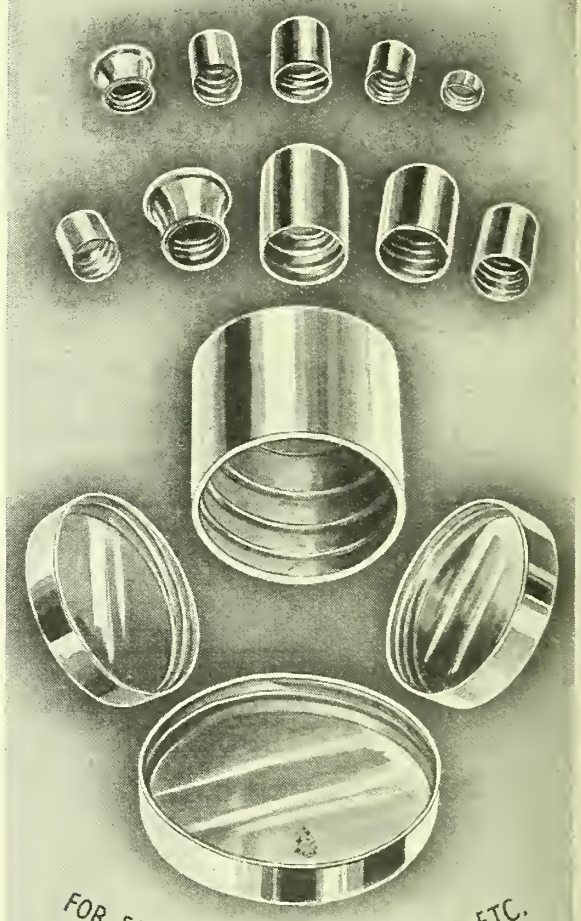


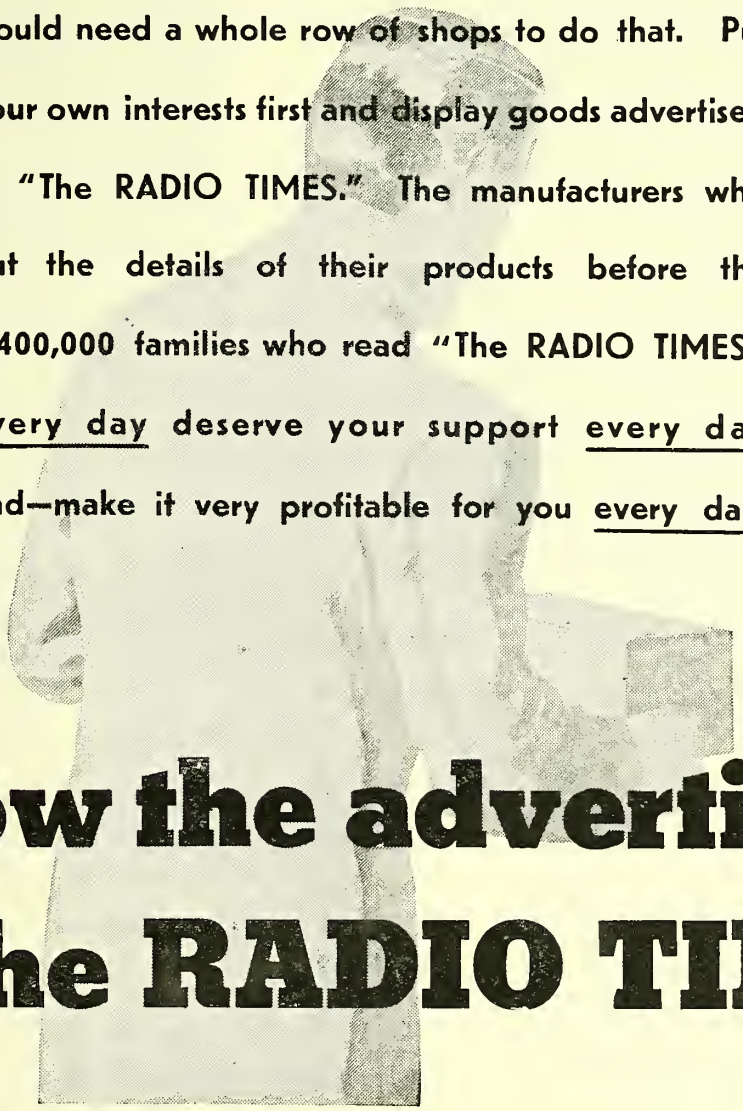
FOR FACE CREAM POTS, LOTIONS, ETC.

In Gilt, Nickel and Enamel

BAKER METAL STOPPER Company Limited
HADLEY STREET, BIRMINGHAM
Phone: Northern 1562 Grams: Screwcap Birmingham

Next time you dress your window . . .

You can't put everything in your window. You would need a whole row of shops to do that. Put your own interests first and display goods advertised in "The RADIO TIMES." The manufacturers who put the details of their products before the 2,400,000 families who read "The RADIO TIMES" every day deserve your support every day and—make it very profitable for you every day.



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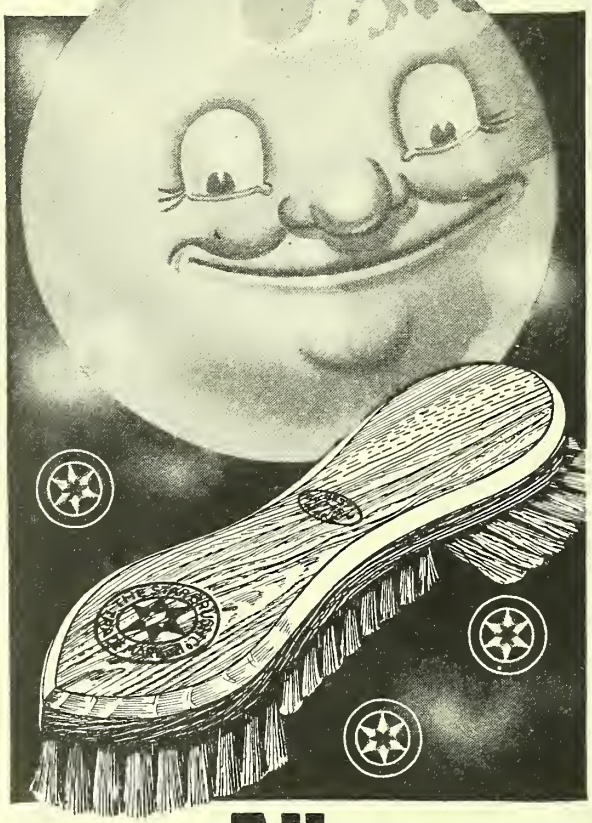


All the world uses the brush with the STAR on the back

STOCK THE LARGER BRUSHES

Women will be asking you for the *larger* "STAR" Brushes Our new advertising is telling them the many advantages of using the larger sizes. Reap your share of the business that is bound to follow! Renew your stock of "STAR" Brushes *now*—before the increased demand sets in. "STAR" Brushes are proved best sellers—and there is one for *every* household purpose.

THE STAR BRUSH CO., LTD.
EDEN GROVE, HOLLOWAY, LONDON, N.7

C.D.

GRAHAM.

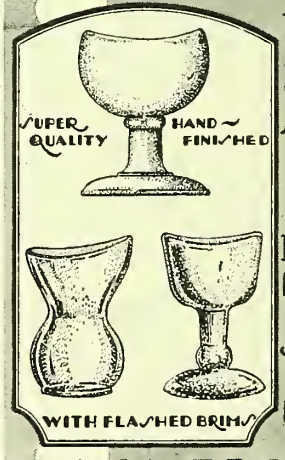
The Eye is an Important Organ

When treated only the best Appliances should be used. Supply your Customers; therefore, with one of our

EYE BATHS

of best English make

TRADE (W) MARK



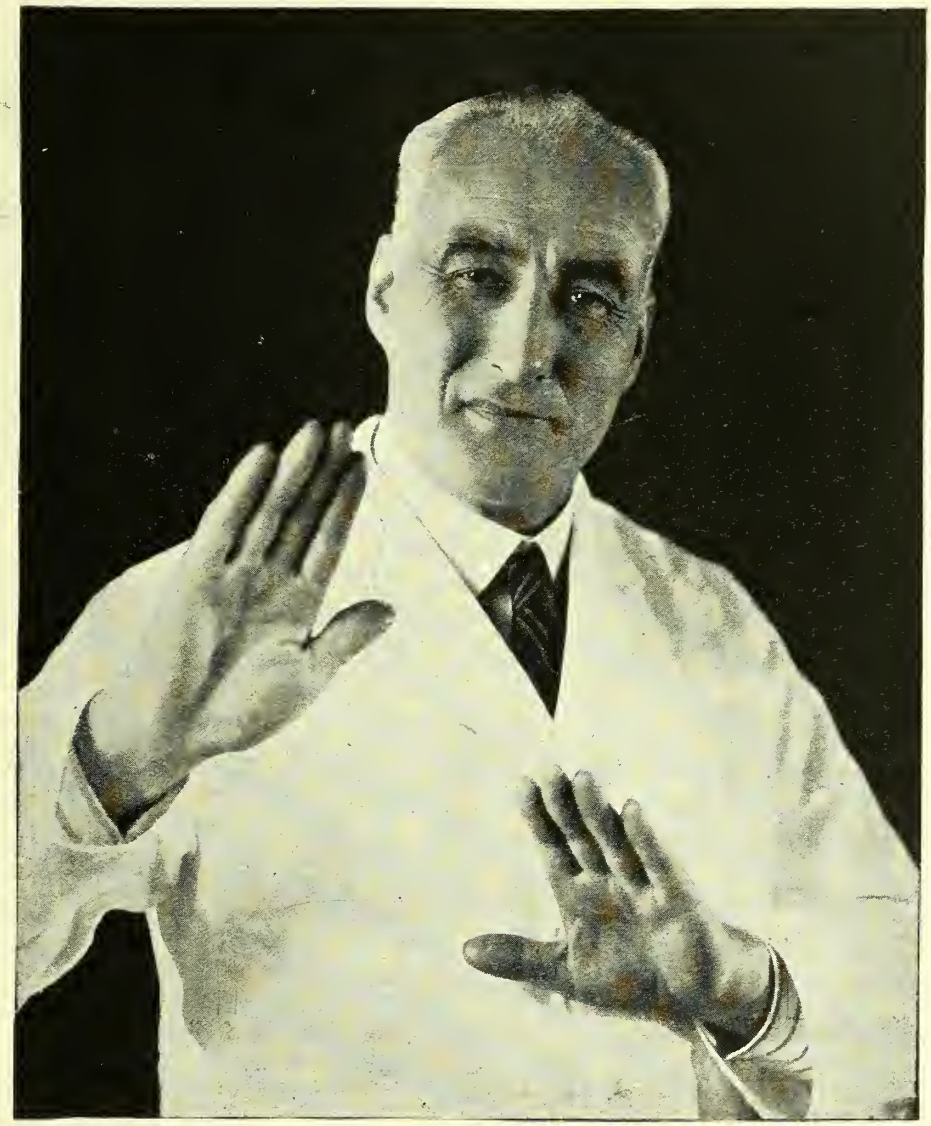
Made in Clear Glass Actinic Green and Dark Blue.

Packed in boxes of Six

Sold by the leading Wholesalers

WOOD BROS. GLASS Co LIMITED

BARNSLEY ENGLAND



"NO! IT PAYS ME TO BUY MY SUNDRIES FROM MAW'S"

● ADVERTISEMENT OF S. MAW, SON & SONS, LTD.—SUNDRIES MANUFACTURERS AND SPECIALISTS OF REPUTE—7-12 ALDERSGATE STREET, LONDON, E.C.1

Suttley & Silverlock

Ltd.

Chemists' Printers

LABELS.
PRINTED TO ORDER FOR DISPENSING AND FOR YOUR OWN PACKED LINES.

POISON REGISTERS.

D.D. ACT REGISTERS.

STOCK BOTTLE LABELS (BLACK ON YELLOW) IN BOOKS OR SINGLE LABELS —YOUR OWN WORDING TO ORDER.

WRAPPING PAPERS.
WHITE DEMY, BROWN AND COLOURED. PARCHMENT BAGS, ¼, ½, 1-lb. SIZES

SKILLETS.
PLAIN TUCK-IN ENDS, 4, 8, 16-oz., or WHITE PAPER WRAPPED, 1, 2, 4, 8, 16-oz.

PRESCRIPTION BOOKS.

NATIONAL HEALTH INSURANCE WINDOW BILLS AND SHOW CARDS.

We hold a large and varied assortment of stock labels for your Proprietary Lines.

SPECIMENS WILL BE SENT ON RECEIPT OF A POSTCARD

Please address your enquiries and orders to our Label Department

Andover, Hants

"WE have found an increase in turnover, which we can trace directly to the use of the Ticket System. Customers, also, we find, feel more confident in dealing with a store where they have a receipt for their money.

"Your machines are particularly useful when children are sent shopping: returning with the ticket and change gives a sense of confidence to the parents."

The above is an excerpt from a letter written by a Director of a Company operating five chemists' shops in the North. The machines to which he refers are modern, ticket-printing

National CASH REGISTERS

Full details of "Nationals" for chemists await your request. You incur not the slightest obligation by getting in touch with us.

The NATIONAL CASH REGISTER Co. Ltd.
225 Tottenham Court Road, W.1
Telephone: Museum 9811 (9 lines)

YOU *MUST* HAVE AN AUTOMATIC MACHINE AT THIS PRICE!

ROLL FILM 6d. and 1/- SLOT MACHINES

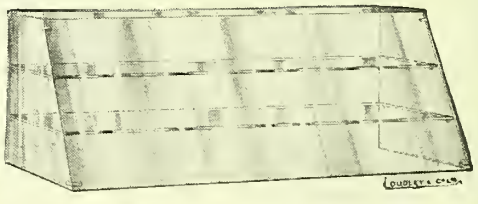
75/-

To hold 36 FILMS

NETT PROMPT CASH
PACKED FREE—CARR. PAID

KODAK-SELO-UNIVERSAL 1/- slot
STANDARD-GRANVILLE 6d. slot

THE MOTTRIX SALES CO.
52 Queen Victoria St., LONDON, E.C.4



No. C.D.F. 4480. The Chemists' Frameless Counter Screen and Case. Connected with chromium-plated clips. New ¼" drawnplate glass throughout. 2 shelves inside, open at back. 48" long x 18" high x 12" back to front at bottom (7" at top).

59/6 each

Fully illustrated List, No. C.D. 1500, of Display Stands, Cases, etc., free on request.

DUDLEY & COMPANY, Ltd., Holloway, London, N.7
City Showrooms: 65 Fore Street, E.C.

THE TRUTH about the CANDA IODINE LOCKET

Prov. Pat. 14468 34

1. This Locket is an improved Iodine Locket manufactured in various assorted colours, in Synthetic Resin Compound — non-corrosive and easy to suspend as a locket or pin on a garment.
2. It is the only Locket on the market you can be sure contains the correct amount of Iodine when delivered to you and also, which is most important, contains its full standard quantity *without any evaporation* until sold by you and pierced with a pin by the customer.
3. The cellulose wadding pad makes a perfect diffusion of the Iodine vapour and reduces to a minimum the chance of *staining* even the most delicate fabric.
4. It is protected at a retail price of 1/-.
5. It has a *good profit* and sure sales.
6. We have sold nearly *half a million* without any advertising. Repeat orders from Chemists are constant.
7. Have you shared in these sales ?
8. Good leaflets and good show material available.

Moulded lockets in 7 assorted colours. 1 dozen in display outer with showcards and leaflets.

CANDA
Registered Trade Mark

PRICES in Great Britain and N.Ireland only:

8/- per dozen
7/9 ,, ,,
(for 3 dozen carriage paid)
7/6 per dozen (gross lots)

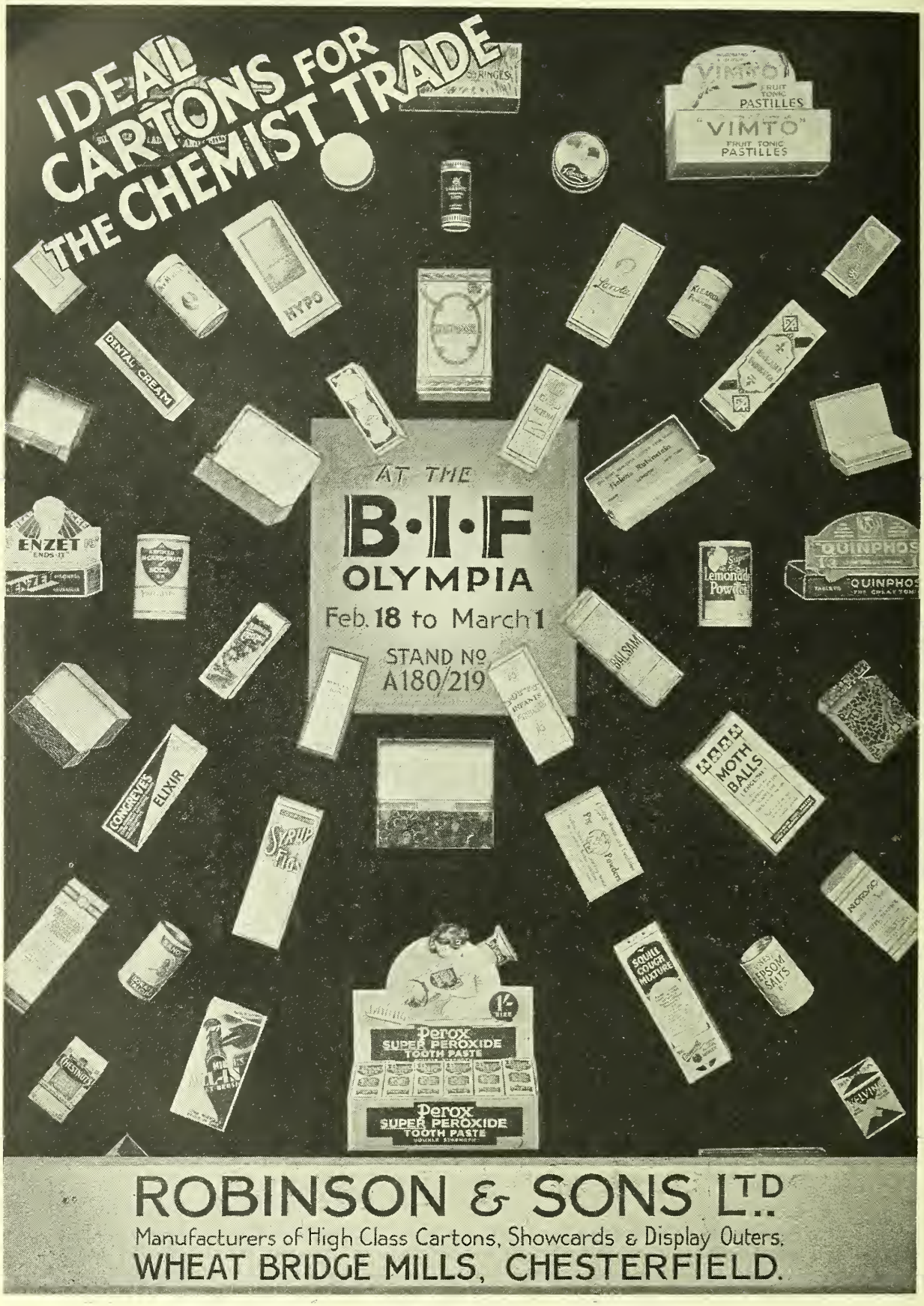
Display this line and see how easily it sells. Obtainable from your usual Wholesalers, or direct from the Manufacturers

Established 1813

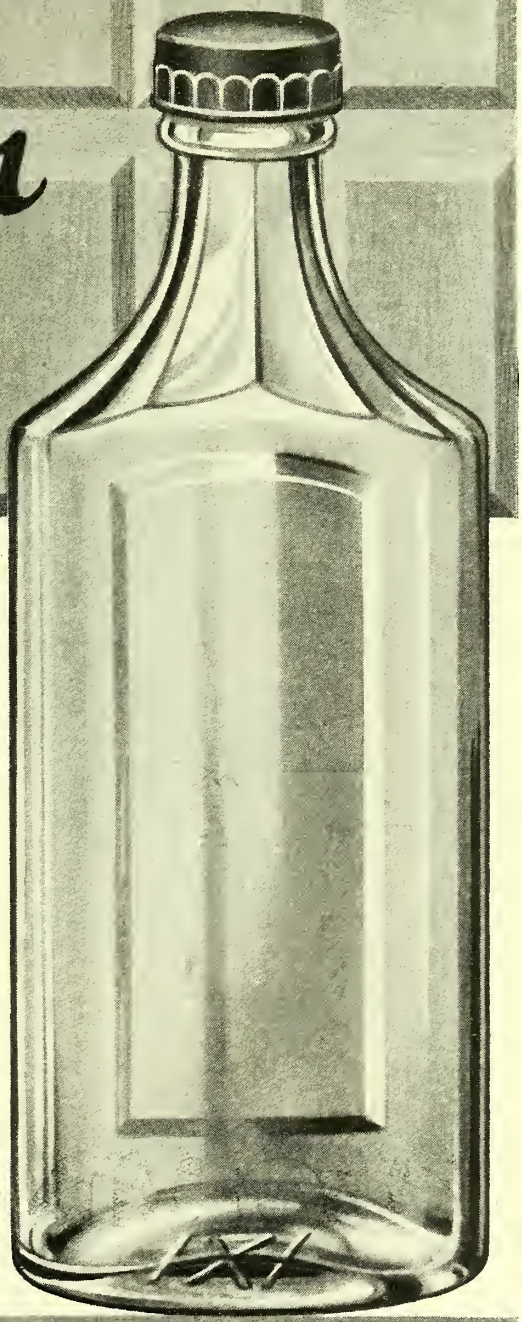
Manufactured and Invented by **CLAY & ABRAHAM Ltd.,** Manufacturing Chemists, **LIVERPOOL**

London Agents : **Messrs. THOMAS & LINTON, Ltd., 57 Ormond Yard, Gt. Ormond Street, London, W.C.1**

CL 27


IDEAL CARTONS FOR THE CHEMIST TRADE
VIMTO FRUIT TONIC PASTILLES
"VIMTO" FRUIT TONIC PASTILLES
HYPO
DENTAL CREAM
ENZET
QUINPHOS
AT THE
B·I·F
OLYMPIA
Feb. 18 to March 1
STAND No.
A180/219
Lemonade Powder
BALSAM
MOTH BALLS
CONGREVES ELIXIR
SQUILL COUGH MIXTURE
EPSOM SALTS
Perox SUPER PEROXIDE TOOTH PASTE
Perox SUPER PEROXIDE TOOTH PASTE
ROBINSON & SONS LTD.
Manufacturers of High Class Cartons, Showcards & Display Outers.
WHEAT BRIDGE MILLS, CHESTERFIELD.

The panelled Ayrton Oval



with
BLACK KORKALITE SCREW-CAP
The bottle which makes a good product look better

The famous AYRTON OVAL, kept up-to-the-minute by the adoption of a panelled back, and screw-cap closure. The panel emphasizes the imposing appearance by increasing the size of the bottle, but art and craft have combined to ensure that the graceful lines and symmetrical proportions of the original AYRTON OVAL are retained.

Very exhaustive scientific investigation has been necessary to secure the perfect closure, and Ayrton, Saunders & Co., Ltd., are fortunate in being able to avail themselves of this research and to offer its results in the Korkalite Screw Cap Closure.

	1 oz.	2 oz.	3 oz.	4 oz.	6 oz.	8 oz.	12 oz.	16 oz.	20 oz
Smalls per gross	18/-	20/3	21/9	24/6	26/6	28/6	39/6	44/6	56/-
Single cases ,,	17/6	19/-	20/6	23/-	25/-	27/6	37/6	41/6	52/-
5 Gross lots ,, Ex. Works	15/-	16/9	18/6	20/-	22/-	24/-	33/-	37/-	47/-

SPECIAL PRICES FOR 25 GROSS LOTS ON APPLICATION

FROM STERILIZER TO DISPENSER
IN SEALED FIBERITE CASES

PHARMACY'S FINEST BOTTLE WITH THE PERFECT CLOSURE

Display-

The Original Combined Cream & Powder

Make a show of Velouty regularly and repeatedly and get your share of the sales, created by our continuous advertising.

SHOW MATERIAL,

including Sales Literature, will be sent on request whether you buy direct or from your wholesaler.

P.A.T.A. PRICES:—

		Retail	Wholesale
Tubes	No. 1.	4½d.	3/- per dozen
	No. 2.	6d.	4/- ,, ,,
	No. 3.	1/-	7/- ,, ,,
	No. 4.	2/-	14/- ,, ,,
	No. 5.	3/-	22/- ,, ,,
Pots, Handbag		1/3	10/- ,, ,,
Unbreakable De Luxe		4/6	36/- ,, ,,
Pots, Glass		2/9	21/- ,, ,,

All packings in five shades:—
White, Ivory, Natural, Ochre and Soleil Doré (Sungold)

Retailers are advised to hold a small stock of Soleil Doré (Sungold) shade, which is now being used for the fashionable Sun-tan Evening Make-up.

VELOUTY de DIXOR
THE ORIGINAL COMBINED CREAM AND POWDER

DIXOR LTD.
ST. LEONARD'S WORKS, MORTLAKE, S.W.14

A PLAIN PARADOX ABOUT

beauty

BY LILLIAN S. DODGE
President of
HARRIET HUBBARD AYER
⊙
Beauty Preparations

One of the best things that can happen to us is occasionally to lose a customer. If this sounds sheer commercial heresy—please let me explain.

When a woman through love of novelty, deserts us for some new fancy, we fold our hands—and wait. Sooner or later, we know, she is bound to come back to us—back to you. And we much prefer that she shall convince *herself* that Harriet Hubbard Ayer preparations are absolutely the best. It is good salesmanship. It is twice as effective as any thing *we* could say on our own behalf.

When all's said and done, there's only one test of a beauty preparation. Does it improve a woman's loveliness in a natural, progressive way? And the only person who can satisfactorily answer this question is—the customer herself. Her own mirror tells her everything. By all means let her experiment. In the long run she becomes all the more enthusiastic about Harriet Hubbard Ayer.

If you want the *reason* for the high reputation of Harriet Hubbard Ayer preparations, I would say no more than that they are so pure, so practical, so very, very reassuring. A woman can feel with her own fingers and see with her own eyes the benefit to her skin from using the Harriet Hubbard Ayer preparations.

And that, as I say, is why we have no fears about losing a customer. She returns of her own accord—a customer for life.

Next time I should like to tell you something about the new advertising campaign which will be starting shortly after you read these lines. For the present—enough.

HARRIET HUBBARD AYER LTD.
Beauty Preparations
⊙
130 Regent Street London W1
NEW YORK · PARIS · MONTREAL

POTTER'S CATARRH PASTILLES

P. A. T. A. **1s. 3d.**
PER DOZ. **11s. 0d.**
BOXES ½ DOZ.

Advertising is continuous and carried on throughout the year

LOOK TO YOUR STOCKS

'Phone : Bishopsgate 4761 (5 lines)

'Grams : "Horehound Phone London" (2 words)

POTTER & CLARKE Ltd.

60-64 ARTILLERY LANE, LONDON, E.1

Manchester: 77 Dantzic Street.

SEAMED & SEAMLESS

SURGO

ELASTIC HOSIERY

TRUSSES

BODY BELTS

SUNDRIES

FOR SPECIAL GARMENTS MADE TO MEASURE WE MAINTAIN A 24 HOUR SERVICE

Write for Catalogue

SURGICAL HOSIERY CO., LTD

RUSSELL ST. NOTTINGHAM : PHONE: NOTTINGHAM 75903
GRAMS: SURGICAL NOTTINGHAM

JUVIGOLD

BRAND

DUCTLESS GLAND TONIC

P.A.T.A.

3/- 5/- 12/- 27/- 45/- 90/-

FOR YOUNG AND OLD

A new and original ORGANIC tonic consisting of GLANDULAR AUTOCOIDS reinforced with LIPOID MINERALS scientifically activated with COLLOIDAL CATALYSTS with a remarkably efficacious effect NOT DUE to COINCIDENCE or AUTOSUGGESTION.

A corrective of HORMONIC FAILURE, the chief cause of a host of common ailments, and a stimulant to the interrelated glands to maintain the BALANCE OF SECRETION necessary to FULL HEALTH and preservation of every PHYSICAL and VITAL FORCE.

USUAL WHOLESALER OR DIRECT

THE MIDDLESEX LABORATORY OF GLANDULAR RESEARCH LTD.

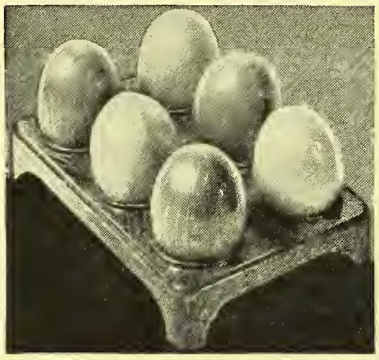
21 · FARRINGDON AVENUE · LONDON · E.C.4

TELEPHONE: CENTRAL 1901 TELEGRAMS: GLANDOC, LUD, LONDON

To commemorate the Silver Jubilee of Their Majesties the King and Queen

Struck from the New VINOLIA SOAP. Available at 27/- per gross subject

VINOLIA SOAP EGGS



23.073 *Retail* 2/6

23.047 *Retail* 1/-

23.054 *Retail* 2/3

NEW NOVELTIES FOR THE EASTER TRADE

23.072 *Retail* 1/3

23,074 *Retail* 3/6

23.070 *Retail* 1/- 23.048 *Retail* 7½d

"EASTER DISPLAYS ENCOURAGE SPRING BUYING. STOCK UP NOW."

This Easter the Vinolia menu is more attractive and more varied than ever. Easter Eggs will be served in a variety of gay spring colours —Eggs in useful and attractive bakelite Egg Stands, in Egg Cups or Bowls, and a giant egg in a large bakelite Tumbler. There are also the new Silver Jubilee Soap Medals and the useful Egg Cosy pack as well. Order your supplies now and display them in your windows and on your counter. Vinolia will be the popular gift this Easter, and a certain profit-maker for you too! All showing a handsome profit—write for details.

Vinolia Co., Ltd., Bebington, Cheshire

23.059 *Retail* 3½d *per egg*

VT 124-29-100

A "SURE SHIELD" PRODUCT—

GLYCERINE OF THYMOL PASTILLES

8½D. and 1/3 Tins

THE STANDARD SALINE PASTILLE FOR THE MOUTH AND GUMS

OF RECOGNISED MERIT AND POPULARITY

STOCKED BY ALL WHOLESALE HOUSES

THOS. GUEST & Co., Ltd.
Carruthers Street,
ANCOATS, MANCHESTER, 4

LONDON DEPOT:
15-16 Jewry Street, E.C.3.
Telephone: Royal 8111.

We shall welcome your enquiries for
SHAVING CREAMS
POMADE HONGROISE
POWDERED SOAP
SHAMPOO POWDERS
A. GIDLOW & CO. BROOM LANE, LEVENSHULME, **MANCHESTER**
Telephone No.: Rusholme 2676

How are your Stocks of
WILLIAMS'
Shaving Preparations?
Sole Distributors:
SCOTT & BOWNE, LTD.
10/11 Stonecutter Street - London, E.C.4

Meet us at the-
LONDON OLYMPIA,
STANDS Nos.
D 28 & 18
WARDONIA
RAZORS & BLADES
Make the "Wardonia" Stands your headquarters during your visit to the Fair.
Sole Makers:
THOMAS WARD & SONS, Ltd. Wardonia Works, Sheffield 1, England

THE SUPER BADGER BRUSH CO. LTD.
Managing Director: H. LOCISE
WHOLESALE & EXPORT
SHAVING BRUSH MANUFACTURERS OF EVERY DESCRIPTION
95 Upper Clapton Road, LONDON, E.5
Telephone: Clissold 2707. Telegrams: "SUBRUSCO, HACK, LONDON." Cables: "SUBRUSCO, LONDON."
HIGHEST QUALITY — KEENEST PRICES ENQUIRIES INVITED

THE "Lady Nicotine" Regd.
A popular Ladies' Brush

W. R. TILBURY & SON
47 Frampton Park Rd., London, E. 9
Estd. 1880

Mercolized Wax

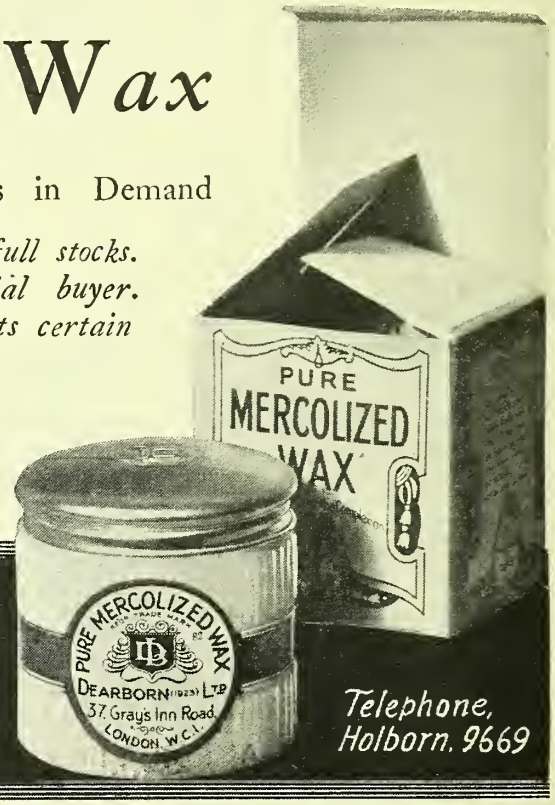
for the Complexion

Extensively Advertised. Always in Demand

There is no risk in holding full stocks.
Every woman is a potential buyer.
Sales are regular and repeats certain

Stallax

a Shampoo—also popular,
and shows a handsome profit



Dearborn (1923) Limited

37 Gray's Inn Rd. London. W.C.1.

Telephone, Holborn. 9669

"LAURELS" FOR LADIES

The Neatest Miniature Safety Razor

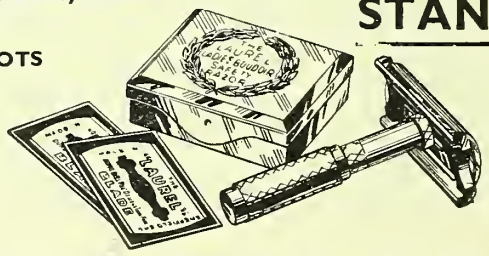
CARTONED AND BOXED IN DOZENS AND GROSS LOTS

PLATED RAZOR IN BOUDOIR CASE WITH TWO BLADES

CHEAPER SET AT 6d.

WILL BE DISPLAYED AT THE B.I.F., OLYMPIA, FEB. 18—MARCH 1

STAND E. 36



COMPLETE OUTFIT RETAILS AT 1/-

GEO. H. LAWRENCE Ltd., Laurel Works, Nursery St., SHEFFIELD

LA PARFUMERIE MODERNE

(Established 1908)

An Illustrated Monthly Review of the Perfumery and Allied Industries

The regular publication (in English and Spanish as well as in French) of technical and practical articles on Essential Oils and Synthetic Perfumery Products is a feature of this popular Trade Journal.

Specimen copy and all particulars from

15 rue Constant, Lyon 7 rue Chevreul, Paris (XIe)

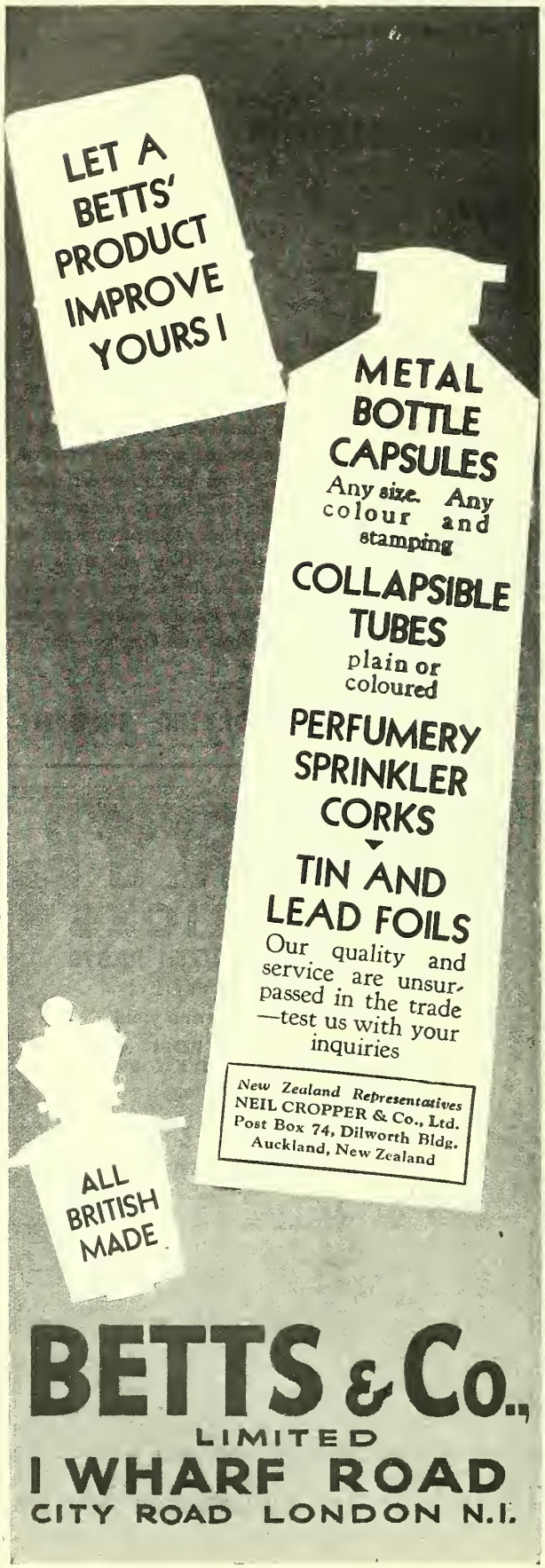
TURN THE FORHAN'S ADVERTISING TO YOUR OWN PROFIT WITH A PROMINENT **Forhan's** DISPLAY!

APPRECIATION of the protective power of Forhan's for the gums against Pyorrhœa and dental troubles grows rapidly day by day. "Pyorrhœa prevention" and "Forhan's" have become almost synonymous.

The modern practice of seeking the prevention rather than the cure is nowhere seen more clearly than in the case of oral hygiene. To-day men and women are realising the importance of gum massage, if teeth and good health are to be retained.

Forhan's forceful advertising consistently reminds them of the unique value of Forhan's for the gums for Pyorrhœa prevention. These people are your potential customers. Whenever they see Forhan's displayed they remember their gums and the dangers of Pyorrhœa. The prominence of your display brings them into *your* shop, and turns the Forhan's advertising to your own profit by attracting a new, large and regular custom. Every Forhan's advertisement says—"When next you see Forhan's on Display—Buy it there and then."

FORHAN'S DISPLAYED MEANS BETTER SALES AND BETTER PROFITS



LIVERPOOL SCHOOL OF PHARMACY

Principal:
H. HUMPHREYS-JONES,
F.I.C., F.C.S., Ph.C.

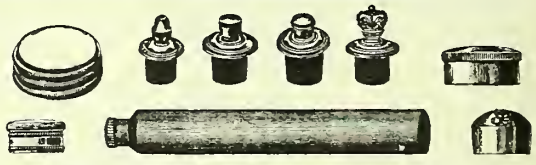
Revision Course for Part I (June Exam.) April 3rd.
Revision Courses Parts I and II (Sept. Exam.) Aug. 7th.
Next Session will commence October 3rd.
Please book early.

Full particulars on application

2 BLACKBURNE PLACE

OPTICAL TUITION
FOR THE
S.M.C., B.O.A. and N.A.O. DIPLOMA Examinations
Particulars :—
C. A. SCURR, F.S.M.C., F.B.O.A., F.N.A.O., F.I.O., F.C.O., M.P.S.
50 HIGH STREET, BARNET, LONDON, N.

F. MAUND & E. BERG (SHOWCASES) Ltd.
SHOPFITTERS & SHOPFRONT BUILDERS
175/9 OLD STREET, LONDON, E.C.1
Telephone: Clerkenwell 1782/3
are offering for sale, at competitive prices, an extensive and exceptionally full range of Chemists' Fittings, Second-hand and New.



FOR BRITISH MADE METAL SMALLWARES OF EVERY DESCRIPTION
GET IN TOUCH WITH
L. ELBOZ & SON
MANUFACTURERS, MERCHANTS & AGENTS
"RAYON D'OR" WORKS
Tel.: Brixton 3456
94 FERNDENE ROAD, LONDON, S.E.24

AYRTON-GRAHAM LTD.
Designers and actual manufacturers of
FITTINGS
For the MODERN PHARMACY.
Shop Fronts, Show Cases, Exhibition Cases, Counter Cases, Counters, Wall Cases, Glass Signs, etc., etc.
PHARMACIES MODERNISED.
ALL GOODS OF BEST QUALITY
AND FINISH AT LOWEST RATES
Competent Fitters sent to all parts.
24 BENSON ST., LIVERPOOL

Why MARSHALL'S LYSOL?

the answer is in your TILL

Why sell a cheap Lysol—it is neither good for your reputation, nor for your profits. Every time you sell a customer a 4-oz. bottle of MARSHALL'S Lysol, your till registers 1/- instead of 6d. or less, and your profit is twice as much.

Most of your customers already KNOW the name Marshall's—they will respect your judgment all the more if you explain that Marshall's is the best—and your till will prove that it is worth your while to do so.

Here are three selling points of MARSHALL'S Lysol:

1. The name guarantees the ***highest*** quality.
2. Every bottle is of the highest standard of germicidal efficiency.
3. It is non-irritant, non-alkaline and clear in solution.

Effective advertising for Marshall's Lysol is now appearing in a complete list of publications circulating among the medical, dental and nursing professions, as well as in the leading hospital journals.

ZEAL

Clinicals

The Choice of Experts

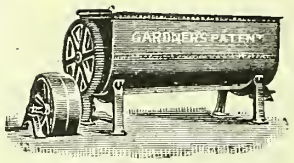
BRITISH MADE

NO HIGHER IN PRICE THAN NONDESCRIPT MAKES

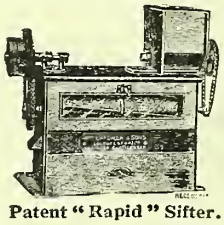
Also Household, Bath and Works Thermometers, the best of their kind

G. H. ZEAL LTD.
MORDEN RD., MERTON, LONDON, S.W.19
Phone: Liberty 2283-4-5

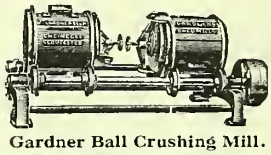
GRINDING SIFTING MIXING



Patent "Rapid" Mixer.



Patent "Rapid" Sifter.



Gardner Ball Crushing Mill.

for Chemical purposes must be rapid, superfine, of laboratory accuracy, and absolutely consistent.

Gardner machines perform all these operations in the most efficient way.

They are economical and efficient; a high standard is maintained in the quality and quantity of their output.

Details and Catalogue of all Gardner plants from

WM. GARDNER & SONS (Gloucester) LTD.
BRISTOL ROAD, GLOUCESTER

Telephone: 2288 (2 lines).
Telegrams: "Gardner, Gloucester."
London Office: 19 Gray's Inn Chmbrs. 20 High Holborn, W.C.1.
Telephone: Chancery 7347.

THOMAS HANCOCK Founded the Rubber Manufacturing Industry

Long experience, combined with modern manufacturing methods, continue to make

HANCOCK'S THE HALL-MARK OF QUALITY

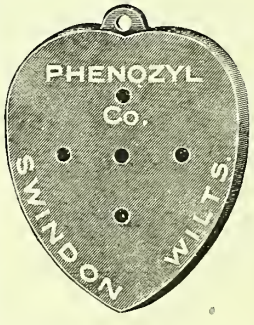
Chemists and Druggists can be certain when supplying Hancock's goods that they are securing a satisfied customer. 115 years of experience in the rubber manufacturing industry is behind each article. Courteous and individual attention is assured. . . . . Makers of

RED CIRCULAR AIR CUSHIONS, HAND-MADE AND MOULDED HOT WATER BOTTLES, BED SHEETING, DRAINAGE TUBING and GENERAL RUBBER SURGICAL GOODS

Please write for name of stockist to:

JAMES LYNE HANCOCK, LTD.
266 Goswell Road, London, E.C.1
The first rubber factory in the world.

Clerkenwell 4410-4412 Founded 1820 *Masticator, Isling, London*



THE LOCKET WITH A GUARANTEE

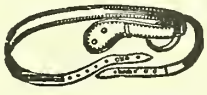
ONE SHILLING

THE PHENOZYL CO.
29 REGENT CIRCUS,
SWINDON, WILTS.

J. H. HAYWOOD, Ltd.

Surgical Appliance Manufacturers.
Castle Gate, NOTTINGHAM
Telephone: 40488 NOTTINGHAM.
Telegraphic Address: "APPLIANCE, NOTTINGHAM."

Established over a Century.



SPECIALITIES FOR WINTER.

ELASTIC HOSIERY (Seamed and Seamless), TRUSSES (Spring and Elastic), SUSPENSORY BANDAGES, BRACES, LADIES' AND GENT'S ABDOMINAL BELTS for support and warmth, made in felt, flannel and fleecy.

CHEST PROTECTORS, SLEEPING SOCKS, INDIA-RUBBER AND AIR-PROOF GOODS, NURSING REQUISITES, DRUGGISTS' SUNDRIES, &c.

PRICES ON APPLICATION

WILLIAM MATHER, LIMITED

DYER STREET, MANCHESTER. **(Established 1826)**

ZINC OXIDE and RUBBER ADHESIVE PLAISTER ON SPOOLS.

POROUS PLAISTERS. ELASTIC PLAISTER BANDAGES.

ANTISEPTIC PLAISTER DRESSINGS, "CROCUS" CORN COMFORT, Etc.

SOUTHALLS SANITARY TOWELS

You need only stock the full range of Southall's Sanitary Towels to satisfy the needs of all of your customers.

- The "ORIGINAL" and most popular.
- The "CELTEX" soluble, easily disposed of.
- The "K" made entirely of absorbent cotton wool, with very soft cover.
- The "COMPRESSED for travelling. A very popular line.

SOUTHALL BROS. & BARCLAY LTD. BIRMINGHAM

THE **"MATER"** CLINICAL REGD.

ALL TYPES OF CLINICAL AND OTHER THERMOMETERS

PERKEN, SON & CO. LTD.

(ESTABLISHED 1852)

Price List on Application:—

94 HATTON GARDEN, LONDON, E.C.1

Telephone: 0724 Holborn

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Reflecta - Strip Lighting is cheaper in upkeep, and gives shadowless white light. The various fittings enable you to put the light where you want it, by means of standard attachments to clip on the edge or underside of shelves, etc. ★*Write to-day for free illustrated price list No. C.D.3, describing this wonderful system of window lighting.*

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THE CERTAIN CORRECTIVE for MENORRHAGIA & DYSMENORRHOEA

KLX (Brand) TABLETS

REGISTERED TRADE MARK

Cost: **21/-** per dozen boxes.

Special bonus offer **14** to dozen.
Retailed at **2/6** box P.A.T.A.

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BOTTLES
THAT ARE BETTER

British Made

For over 80 years we have been making bottles to meet the needs of the Trade in hand or machine made of all kinds.

MEDICALS
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FREDERICK
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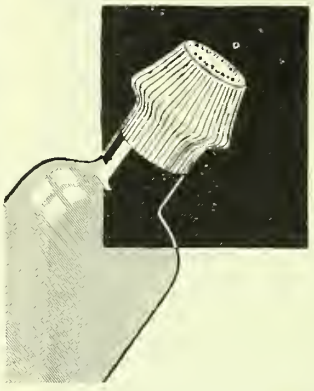
Perseverance Glass Wks.
SALFORD 5

Fluted Bottle Caps of Pure Aluminium for Dispensing Chemists



This cap replaces the old paper cap. It is more attractive, more hygienic, and quicker to apply.

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Sole concessions granted to one Wholesale Druggist Sundries House of high standing in every country of the world. Applications welcomed.

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THE MOST COMPETITIVE MANUFACTURERS IN THIS COUNTRY

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WAGNER'S DRY BOTTLE CAPS
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The Most Striking "Dog" Display Yet!

We send it you

FREE

On receipt of a Postcard!

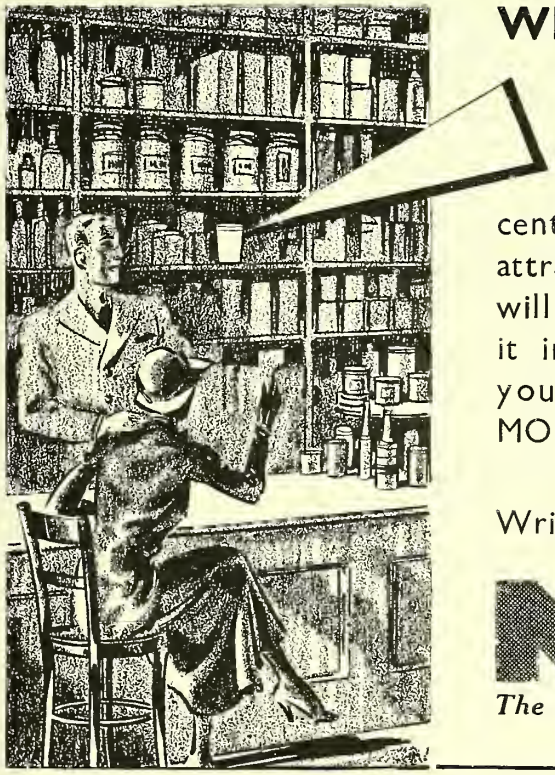
HERE is a display to make your dog-owner customers stop–look–and BUY! It tells the facts about Karswood Condition Powders for dogs in a clear, quick way which cannot be missed.

Sales of KARSWOOD Condition Powders are increasing by leaps and bounds in all districts because dog owners everywhere are rapidly proving for themselves what Veterinary Surgeons, Dog Breeders and Exhibitors have known for years—that Karswood Dog Powders banish dog ailments and keep dogs fit more quickly, more effectively and more economically than any other powder on the market. And this display tells *why*. It shows exactly what Karswood Dog Powders contain and what they do—how their SIX-FOLD action reaches every important organ in the dog's system. A Postcard will bring you a copy by return. Address it to Karswood Display Department, E. Griffiths Hughes Ltd., Adelphi, Salford, Manchester—not forgetting to add your own name and address!

Printed in Four Colours

Here is a greatly reduced photograph of the Karswood Condition Powder display. Neither too large nor too small, and beautifully printed in four colours.

Send for YOURS NOW—it is a REAL SALES MAKER!



Why not this coveted position for a product of YOURS?

Invaluable publicity. 'Front row centre' display space clamouring for an attractively packed line — on duty, if you will, for your product, to gain entry for it into thousands of new homes. But is yours a 'front row' product? Is it MONO-packed? MONO containers are British made throughout.

Write to us for samples and quotations.

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The first and foremost of "nested" containers

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Chemical and Medical Glass Manufacturers,

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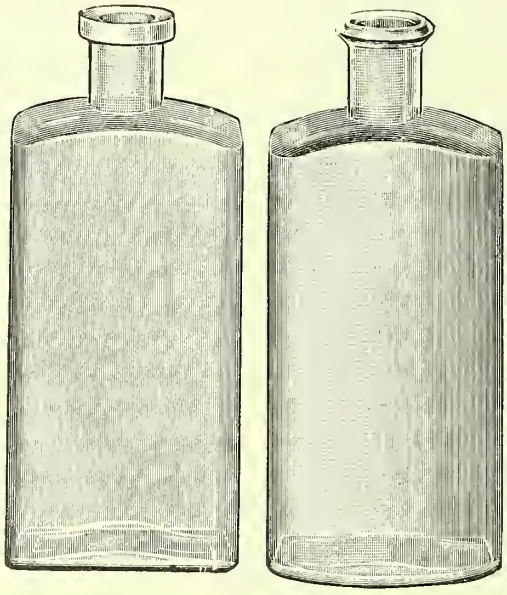
The Chemists who are doing the business are the Chemists who turn the work out well



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There is no better help than a smoothly finished, bright, attractive bottle

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"Adaptocaps"

will give your bottles Distinction

These Dry Bottle Caps are made in all sizes and colours, clear and opaque. They are Self Sealing, of unrivalled quality and BRITISH MANUFACTURE.

Special low rates for large contracts. Let us quote you.

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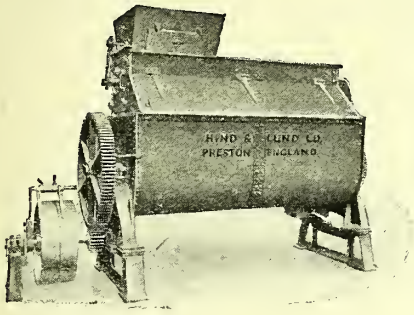

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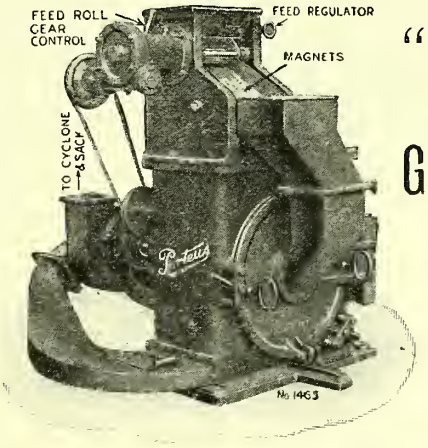
Porteus LEEDS. provides it

Mechanically exact apparatus saves time, power, eliminates frequent stoppages and gives continuous and lifelong service. We make mixers and sifters for every purpose and shall be glad to advise on problems.



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BEATER TYPE
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For grinding all kinds of spices, nutmegs, etc., cereals, seeds and all classes of grindable products.
Motor coupled or counter-shaft drive, cool grinding with air inducted discharge to cyclone collector.
Made in all sizes.

A high grade machine at a low price

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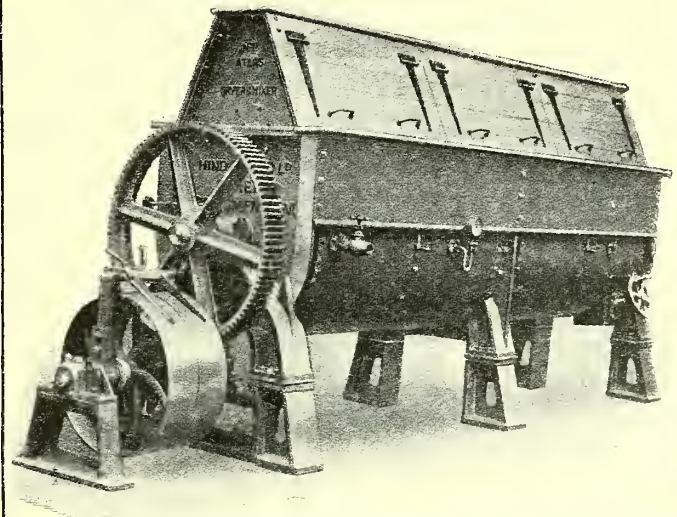

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Leeds Bridge, LEEDS

Phone : 20529 & 20520

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From Plants Grown on My Own Farm
R. W. B. STARKE
The CHESTNUTS FARM, EYE, SUFFOLK
Also ENGLISH CAMOMILE FLOWERS

GLYCERINE
The Purest Quality on the Market. Produced by
THOMAS HEDLEY & CO., LTD., TRAFFORD PARK
Chemically Pure B.P. Industrial White. Pale Straw.
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DOLS' VOLATALISE FLANNEL
The Wonderful Remedy for RHEUMATISM, NEURITIS, SCIATICA, etc.
Write to DOLS' VOLATALISE FLANNEL LTD., VIADUCT ST., HUDDERSFIELD

'DOMCO' (Regd.) MALT & COD LIVER OIL AND MALT & HALIBUT LIVER OIL
are exceptionally palatable preparations
carrying a good profit margin
Both these quality products are supplied in 1, 2, & 7 lb. jars individually wrapped, or in 1 lb. containers for N.H.I. purposes.
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ABDINE
THE GOLD MEDAL HEALTH DRINK. Quick Seller. Big Profits. Over 60 years' Reputation. "Abdine" is obtainable from the Wholesale Houses. Attractive Display Material constantly available.
DUNCAN McGLASHAN LTD., ABDINE WORKS, WESTFIELD RD., EDINBURGH

Are you stocking
YESTAMIN?
Dried Yeast in its most concentrated and most convenient form—powder and tablets. Generous terms and good discounts. *Write today to:*
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URICURE TABLETS
Greatest of all Rheumatic Remedies
1/3 SIZE, 7/ DOZ. 3/- SIZE 17/6, 5/- SIZE 25/-
THE ACTON PILL & TABLET Co LTD ASH VALE, SURREY

Forster's "Eldon" Vapouriser FOR USE WITH NIGHT LIGHT
Retail, 1/9. Wholesale, 15/-.
Also Forster's "Fenolin Fluid" For Whooping Cough
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ALL TOILET PREPARATIONS
PROPRIETORS:
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FOR TINTING GREY HAIR
This popular article is largely advertised and stocked by all Wholesale Houses.
Trial size 8d., per doz. 6/-
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2/6 size, per doz. 24/-
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FOR BETTER BOTTLES -better see BARNETT!
SPECIALISTS IN TOILET BOTTLES!
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OUR PALE TINTED DISPENSING
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WILL PROVE A SAVING
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WIRE CLOTH in meshes up to three-hundred per inch.
PERFORATED METAL in any size and shape of hole and in every thickness practicable.
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Halve the Labour of Taking Stock.
Price of Complete Pad, 2/6 post free.
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FREE and POST FREE
NEW CO-RE-GA CARD
Display it and increase your sales
THOS. CHRISTY & Co., Ltd., Old Swan Lane, London, E.C.4

SHERLEY'S DOG & CAT FOODS and MEDICINES

PREPARED BY FULLY QUALIFIED ANALYTICAL AND PHARMACEUTICAL CHEMISTS

Renowned for Purity, Safety and Efficacy

Sherley Products are extensively advertised in the National and Canine Press and are always in good demand. They will bring satisfaction to your customers and increased sales to you.

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WATER GLASS

READY SALES & BIG PROFITS ARE IN STORE

if you sell

DOUGHTY'S GARDEN FERTILISER

A reliable fertiliser with a reputation amongst both professional and amateur gardeners. Order your stocks and meet the demand in your district

You will also find

DOUGHTY'S LAWN FERTILISER

and

"KALIM" Pure Hydrated GARDEN LIME

profitable lines you can confidently recommend. They give good value to the buyer and will bring new custom

DOUGHTY'S

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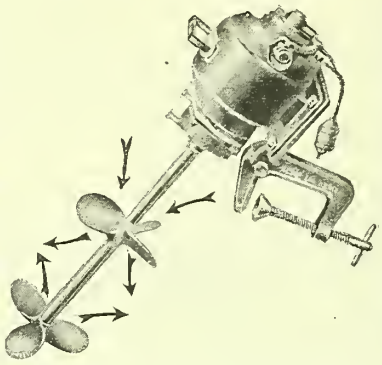
Write for our 1935 Trade Price List

DOUGHTY-RICHARDSON FERTILISERS, LTD.

Horticultural Dept., LINCOLN

HY-SPEED MIXER

The name which means all that it implies!



The HY-SPEED MIXER *is easy to handle, easy to clean and gives a perfectly uniform mix in the shortest possible time . . . because* it clamps to your present tank or vessel, and can be changed from one tank to another and removed entirely for cleaning. Just plug into a light socket, switch on and the Hy-Speed operates right away.

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62/63 Minories, LONDON, E.C.3

Telephones: Royal 8005 & 8006. Telegrams: "STRALIA, LONDON."

Continuous and Steadily Advertised Goods

FOR DESTROYING RATS AND MICE

DANYSZ VIRUS

Retail Price (Protected)		Net Wholesale Price
Virus for Rats and Mice, single tube, 2/– .. 3 tubes, 5/–		15/– per doz.
Virus for Mice only .. single tube, 1/6 .. 3 tubes, 3/–		9/– „

Date-expired tubes returned to us postage paid will be exchanged free of charge.

Danysz Virus in Liquid Form

Retail Price	Wholesale Price
Bottles 6/– each	4/6 each
„ 4/6 „	3/9 „

HALLER'S EXTRACT OF SQUILL and DANZO RAT KILLER

Discount off Retail Prices 25% Monthly Account, or 33⅓% cash with order.

Retail		Monthly A/c	Cash with Order
½ gall. tins ..	10/– ..	7/6	6/8
1 „ „ ..	18/– ..	13/6	12/–
5 „ „ ..	80/– ..	60/–	53/4

DANZO BEETLE POWDER

For destroying Blackbeetles, Cockroaches, Crickets, &c.

Retail Prices (Protected)		Wholesale Prices
In cartons 9d. each		6/9 per doz.
„ 1/6 „		13/6 „ „
„ 3/– „		27/– „ „

Danzo Beetle Powder will not deteriorate by keeping.

CARRIAGE PAID ON ALL ORDERS.

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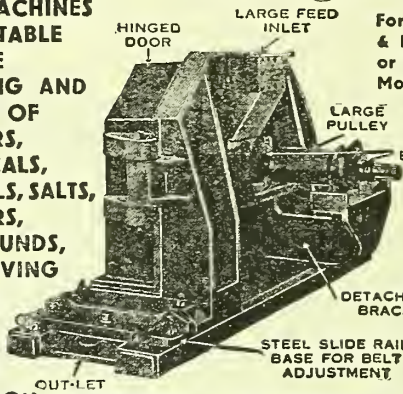
Wizard Grinder

THESE MACHINES ARE SUITABLE FOR THE GRINDING AND MIXING OF COLOURS, CHEMICALS, MINERALS, SALTS, POWDERS, COMPOUNDS, ETC., GIVING DESIRED RESULTS DIRECT AT ONE OPERATION.



For Belt & Rope, or Direct Motor Drive

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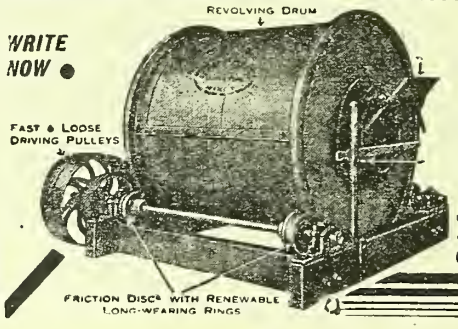
WRITE NOW



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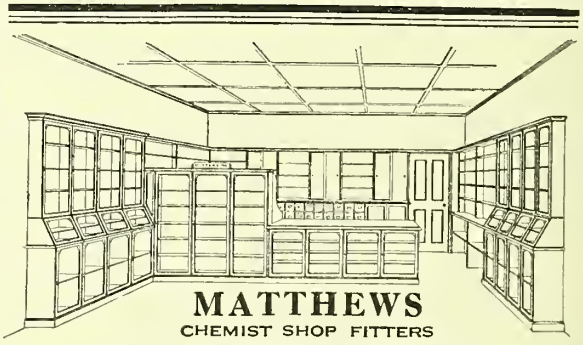
Protected Prices.

THESE Remedies are used in most of the Training Stables, Stables of Masters of Hounds, and by many thousands of the best Private Horse Owners in the United Kingdom and Abroad.

Supplies through all Wholesale Houses.

HARVEY & CO. (DUBLIN), Ltd., DUBLIN.



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Established 1848 LIVERPOOL, 1 Tel.: Cent. 2695

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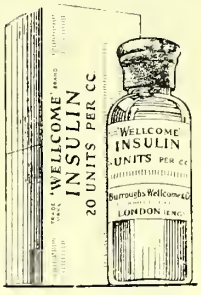

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INSULIN

'WELLCOME' BRAND INSULIN not only meets the legal standards, but the Insulin Hydrochloride used in the preparation of the solution has to conform to a standard of purity set by Burroughs Wellcome & Co.

This standard of purity has gradually been raised as methods of preparation have been improved, and the standard now adopted approaches that of the purest Insulin ever obtained, even by research workers.

20 *Units per c.c.:* 5 *c.c. phials,* 1/6 *each* — 40 *Units per c.c.:* 5 *c.c. phials,* 2/10 *each*
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TRADE MARK **'TABLOID'** BRAND HYPODERMIC **INSULIN** HYDROCHLORIDE (10 UNITS) — 10 *products in one tube* 1/6 *per tube*

A Notable British Achievement

TRADE MARK **'WELLCOME'** BRAND **INSULIN (CRYST.)**

20 *Units per c.c.:* 5 *c.c. phials,* 1/10 *each*

The first commercial Insulin made from Pure Crystalline Insulin — the ultimate purity

℞ 'Wellcome' Insulin Cryst.

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Exhibition Galleries: 10, Henrietta Street, Cavendish Square, W. 1

Associated Houses:
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Regd. TRADE MARK.

Hot Weather Dishes for Invalids.

Leaflets containing recipes for the use of Benger's Food during hot weather are available for distribution among "Benger" users.

Write for a supply to:—
BENGER'S FOOD, LTD., Otter Works, MANCHESTER.

·APOLLO·
PURE LIQUORICE JUICE

MACANDREWS & FORBES, LTD., BUSH HOUSE, LONDON, W.C.2
Telephone: TEMPLE BAR 5392/3 *ESTABLISHED 1857* *Telegrams: MACFORBES, BUSH, LONDON*

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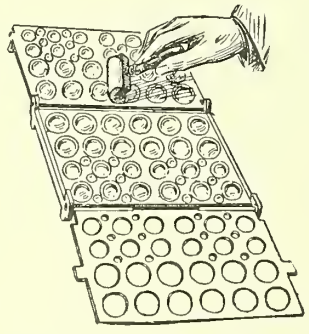

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Filling and Closing machines for all sizes of cachets are available at prices from 4/6 to 52/6

Write for a copy of the illustrated leaflet

THOS. CHRISTY & CO., LTD., Old Swan Lane, LONDON, E.C.4

The CHEMIST AND DRUGGIST SUPPLEMENT

This Supplement is inserted in every copy of The Chemist & Druggist

28 ESSEX STREET, LONDON, W.C.2

FEBRUARY 23, 1935

ADVERTISEMENT TARIFF

ALL ADVERTISEMENTS are PREPAID, so that remittance must accompany instructions in each case. If it be necessary to telephone or telegraph an urgent announcement this may be done, provided the money is telegraphed at the same time.

BUSINESSES WANTED and for DISPOSAL, PREMISES TO LET and FOR SALE, PREMISES WANTED, PARTNERSHIPS, GOODS for SALE and AGENCIES—6/- for **50** words; every additional **10** words or less, **6d.** (Box No., **1/-** extra.)

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LEGAL NOTICES, TENDERS, AUCTIONS, and all specially-spaced announcements, **1/3** per nonpareil line (12 lines = 1 inch single column). (Box No., **1/-** extra.)

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THE CHEMIST & DRUGGIST, 28 Essex St., Strand, London, W.C.2

Telephone: Central 6565 (8 *lines*). *Telegrams: "Chemicus, Estrand, London."*

CLOSING FOR PRESS

must reach us not later than FIRST POST THURSDAY MORNING

All advertisements intended for insertion in this Supplement

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56 LUDGATE HILL, E.C.4

ESTABLISHED 1846 *Telephone Nos.: CITY 2283 & 7477*

May be CONSULTED at their Offices on MATTERS of SALE, PURCHASE & VALUATION

We make no charge to purchasers, and invite intending buyers to communicate with us, stating their requirements

1.—LONDON, S.W.—Vendor retiring; old-established General Retail Business; turnover approaches £2,300 per annum; excellent profits; living accommodation; valuation terms entertained; further details on receipt of a banker's reference.

2.—W. LONDON.—Main-road Business returning over £3,250 per annum; living accommodation; valuable stock and fixtures; price about £2,500.

3.—PUTNEY (NEAR).—Branch Business returning over £1,500 per annum; good profits; two flats over; reasonable rent; held on lease; price £1,000 or near offer.

4.—EARL'S COURT.—Vendor anxious to sell good-class Business forthwith; returns exceed £1,700 per annum; net profit approximately £450; reasonable rent; low purchase price accepted for quick sale.

5.—CHINGFORD (NEAR).—Middle- and working-class Business situate in thickly populated district; returns over £1,200 per annum; corner shop, fitted in oak; very nice living accommodation; freehold premises for sale; further details on application.

6.—E. LONDON.—Genuine Retail Business, making a net profit of over £300 per annum; very little rent; comfortable living accommodation; vendor, who is a man of means, will accommodate a gentleman with £200-£300 capital.

7.—EALING (NEAR).—Light Retail Business; returns £800 per annum; good profits; low rent; price £350 or offer; stock and fixtures worth this sum.

8.—HAVERSTOCK HILL (NEAR).—Working-class Business, run under management; net profit, after paying manager, £169 last year; living accommodation over; price £650 all at, or valuation terms entertained.

9.—DALSTON (NEAR).—Death vacancy; good-class Business in excellent position for sale; net profit, after paying manager, over £400 last year; leasehold premises for sale; ground rent £17 per annum; further details to genuine applicants.

10.—SURREY (FEW MILES OUT).—Middle-class Business for sale owing to ill-health; returns over £1,200 per annum; net profit £350; stock and fixtures worth £550; comfortable living accommodation, with bathroom; rent £50 per annum, rising to £70 per annum; price £900 all at, or £350 plus stock and fixtures at valuation.

11.—BRISTOL (SUBURBAN).—Middle-class Retail Business for immediate disposal; returns this year will be approximately £2,000; net profit over £400 per annum; very nice living accommodation, with garage; rent £2 per week; lease 26 years unexpired; vendor buying another business and will accept the first reasonable offer.

12.—LINCOLNSHIRE (NEAR).—Branch business for disposal owing to retirement of vendor; returns £1,000 per annum; rent £50 per annum; price all at £500; also on offer Business situate in same town with an average turnover of £2,000 per annum.

13.—YORK (NEAR).—Country Retail Business; turnover £2,000 per annum; stock worth £550; fixtures and fittings about £100; rent £78, on long lease; rates £6 per annum; the premises can be purchased if desired at £800; further details to genuine applicants.

14.—BIRMINGHAM (MAIN ROAD).—Cash Retail Business, with returns over £2,200 per annum; excellent stock and fixtures; low rent; price about £1,250 or near offer; vendor leaving trade.

15.—SURREY (NEAR EWELL).—Good-class Family Business, with increasing turnover, for year just completed £2,200; excellent profits; modern living accommodation; premises can be leased or purchased; price of business £1,350.

16.—EASTERN COUNTIES.—Good-class Retail Business, run under management; returns this year will exceed £5,000; excellent profits; splendid living accommodation; long lease at £200 per annum; price £1,000 plus stock and fixtures at valuation.

17.—MIDLANDS.—Small Chemist Business for sale, taking about £22 per week, with good scope for improvement; good living accommodation, with four bedrooms, etc.; rent £50 and rates; inclusive price £750.

18.—MARLOW (NEAR).—Good-class Business, taking about £20 per week; stock and fixtures worth £550; accommodation comprises three bedrooms, bathroom, dining-room, etc.; rent £80 per annum; first reasonable offer accepted.

19.—BUCKS.—General Retail Business, with side line; established ten years; increasing turnover, this year being approximately £2,300; good profits; lock-up shop; rent £65 per annum; price all at £1,350; no offers.

20.—LEICESTERSHIRE.—Good-class Business, run under management; returns approximately £2,600; have been much higher; excellent profits; valuable stock and fixtures; further details to genuine applicants.

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Correspondence, mutually confidential, is invited from prospective purchasers of the following businesses at present available for purchase.

(C1) LONDON (SOUTH SUBURB).—Old-established good-class dispensing business; average returns approximately £1,900 per annum, with definite scope for immediate increase; net profit to owner-proprietor approximately £450; good living accommodation; reasonable rental; price £1,250 or offer; this business will strongly appeal to a lover of the old-style pharmacy.

(C2) LONDON, N.—Branch business, old-established, with excellent scope for substantial increase under personal proprietorship; present turnover approximately £1,600 per annum; net profit (to owner proprietor) £480; low overheads; price £1,300.

(C3) HARROW (NEAR).—Up-to-date pharmacy with good living accommodation; turnover upwards of £2,600 per annum, and steadily increasing; growing district; rent £160; price £1,600, or very near offer.

(C4) KENT.—Unopposed double-fronted pharmacy with living accommodation, including bathroom, etc.; turnover for last financial year £1,147; net profit £290; stock estimated at £400; price all-at £750.

(C5) MIDDLESEX.—Recently established modern pharmacy, situated in prominent shopping thoroughfare; turnover for first complete year, recently ended, £1,500 approximately; wonderful future possibilities with adequate capitalisation; up-to-date house with all conveniences; price about £1,000, being approximate value of stock and fixtures only.

(C6) WEST HAM (NEAR).—Excellent profit-earning cash business, situated in middle-working class area; present net profit approximately £440 per annum; low overheads; good scope for further increase; books and records available for inspection; price £850 or near offer.

(C7) WORTHING (NEAR). — Attractive modern pharmacy, with up-to-date flat above; rapidly increasing turnover, the returns for the financial year recently ended having amounted to approximately £2,000; reasonable rental and purchase price.

(C8) SUSSEX.—Attractive country business, with no opposition, situated amid beautiful surroundings near to sea; returns approximately £1,250 per annum; net profit about £350; freehold also available, upon which a substantial mortgage could be arranged; price of business £750; property £975, being considerably less than cost.

(C9) STREATHAM (NEAR). — Unopposed family business, with sub-post office, situated in middle-class residential area; present returns approximately £28 per week, plus post office remuneration; living accommodation at present sub-let; very low overheads; reasonable purchase price.

(C10) SURBITON (NEAR).—Unopposed excellent profit-earning business, situated in populous middle-class area; present returns approximately £35 weekly, and steadily increasing; very low rental; net profit £450-£475 per annum; price £950 or near offer; excellent opportunity.

(C11) WOODFORD (NEAR).—Attractive pharmacy occupying corner position, with good living accommodation, including three bedrooms, bathroom, etc.; present returns approximately £1,250 per annum; no near opposition; price £925, plus freehold £1,000; if property not required, could probably be sold separately as an investment.

(C12) NOTTINGHAM.—Old-established business with exceptionally good earning capacity, due mainly to the fact that it is principally homœopathic in character; good opportunity, either for qualified or unqualified, with limited capital; net profit for 1934, £280; reasonable rental; price to cover value of stock and fixtures only (approximately £450).

(C13) BOURNEMOUTH (NEAR).—Modern pharmacy, established in 1928, situated in now rapidly increasing residential area; the business possesses wonderful future prospects, as it is entirely unopposed, and draws upon an area with a population estimated at 6,000; present returns approximately £1,100 per annum; price £650; freehold also available, which, if not required, could probably be sold separately; full details upon application.

(C14) CORNWALL.—Good middle-class business with small optical connection; increasing turnover; receipts for last financial year £2,356; net profit about £500; reasonable rental; flat above at present sub-let; price £1,650, or near offer, including stock and fixtures, estimated at £1,150.

(C15) FINCHLEY (NEAR).—Old-established main road business, with spacious house above; turnover for last financial year, £1,889; excellent scope for further substantial increase; reasonable rental.

(C16) LONDON, N.W.—Attractive modern pharmacy, situated in rapidly growing middle-class residential area; present returns approximately £20 per week, with extensive scope for substantial increase; low overheads; price to comprise value of stock and fixtures, together with a small goodwill; owner selling on account of advancing years.

(C17) PLAISTOW.—Splendid opportunity for chemists with limited capital to acquire attractive main-road pharmacy for considerably less than the value of fixtures; stock optional; living accommodation at present sublet; reasonable overheads; good lease; £200–£300 will be sufficient to negotiate; full particulars upon application.

(C18) LONDON, S.W.—Good-class toilet and dispensing business situated in shopping thoroughfare; turnover approximately £2,000 per annum; net profit about £450; lock-up shop; rent £100; good lease; excellent scope for further increase; price £1,150, including good stock and valuable fixtures.

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3.—SURREY.—Good Family Retail and Dispensing, with branch; turnover £2,300; net profit exceeds £550; good living accommodation; own property; retiring; price £1,800.
4.—EAST COAST.—Sound Light Retail, showing steady increase; returns £1,370, gross profits a third; very attractive modern Pharmacy; stock and fixtures worth £580; price £700.
5.—KENT COAST.—Light General Retail with good Photo connection; returns over £900, increasing; attractive shop, with modern house; excellent stock; price £550 or near offer.
6.—SURREY (12 miles out).—Good General Cash Retail; steadily increasing; no near opposition; returns last year £1,580; net profit £400; net rent £65; long lease; stock and fixtures worth £600; price £950.
7.—LONDON, N.—Light Family Retail, with Optics; returns £2,000; net profit £500; audited books; double-fronted shop, flat over available; stock and fixtures worth £700; price £1,250.
8.—HORNSEY (near).—Old-established Business, with large Panel; returns average £1,700; gross profits 38 per cent.; books audited; plenty of scope in younger hands; moderate rent; on long lease; owner retiring; price £1,500.
9.—LONDON, S.E.—Old-established Business with P.O. attached; returns £1,250, increasing, plus £250 from P.O.; net profit over £450; attractive shop, with good house; low rent; valuable lease; price £1,400.
10.—WILLESDEN.—Sound Light Cash Retail with good N.H.I.; no near opposition; turnover last year £1,160; net profit £265 after paying assistant; rent £52 clear; on lease; lock-up shop; well stocked; valuation terms, in all about £550.
11.—SHEPHERDS BUSH.—Branch Business; in busy main-road position; present returns £15 weekly, under manager; can be doubled; rent 22s. 6d. week clear; lock-up shop; well stocked; price, valuation only, about £275.

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BUSINESSES FOR DISPOSAL.

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BIRMINGHAM.—Good-class Fully Qualified Chemist's Business in busy main road, south district of Birmingham centre; lease unexpired 2 years, with options of following 5 and 7 years; modern glass-fronted fixtures; tank show case; first-class living accommodation; garage; N.H.I.; Photographic; rent £100 per annum; takings £27 to £30 weekly. 61/47, Office of this Paper.

BOURNEMOUTH.—Exceptional Opportunity; growing Chemist's Business; rapidly developing main-road suburb; modern double-fronted shop, expensively fitted in mahogany; excellent house; new 21 years' lease, or freehold £1,550 (mortgage, £1,400 transferable); established 16 months; turnover £23 weekly, increasing; accountant's figures; two Doctors (one next door) support proprietor; good Private Dispensing Business; 700 prescriptions done first 14 months without repeats; 300 Health prescriptions done monthly; exceptional prospects; fine opening Optics; Kodak, Selo, Rexall, Ucal Agencies; big sacrifice through breakdown in health; ordered complete rest; ingoing £400, s.a.v. (approximately £300). Griffiths Preese, Bournemouth.

CHESHIRE (important town).—Chemist's Business, with Ladies' Hairdressing Department; combined returns £36 weekly; unique and valuable key position, car and bus stop, cinemas, etc.; commodious premises; up-to-date and elaborately fitted; moderate rent; lease; sound offer at £1,000. Brierley, Chemists' Valuer, 135 Queen Street, Newton Heath, Manchester. Tel.: Failsworth 1913.

CLYDE AREA.—Chemist wishes to dispose of Branch; working-class population, with good N.H.I.; all cash trade; turnover £700, could be improved under personal supervision; easy ingoing; full particulars to *bona fide* applicants. 59/3, Office of this Paper.

HESWALL, CHESHIRE.—Well-fitted Modern Shop in rapidly growing neighbourhood; no near opposition; good living accommodation; price £300. Particulars Louis Nicholas & Co., 19 Castle Street, Liverpool.

LEEDS.—In Good Working-class Suburb, where there has recently been much development; no near opposition; Long-established Chemist's Business; takings £1,000 per annum; all at £350; rent (including house, now sublet) £65, or will sell freehold, £750. Spencer & Son, Estate Agents, 24 Basinghall Street, Leeds, 1.

LIVERPOOL.—Chemist Business in busy main road; lock up; small rental; N.H.I. about 400 monthly; Kodak Agency; retiring; price moderate for quick sale; particulars in confidence to genuine purchaser. J. P. Edwards, Solicitor, 67 Lord Street, Liverpool.

LONDON, N.—Drug and Photographic Stores; established 1890; present hands 11 years; Kodak depot; good Prescribing and living accommodation; large N.H.I. available; net profits nearly £300; rates £16 4s.; price asked, stock and fixtures valuation, approx. £350; freehold property £800 (obtainable through building society); opportunity married Qualified; part could remain. 61/25, Office of this Paper.

LONDON, S.W.—Cash Business for Disposal; in good-class, well-to-do Suburb; well stocked; convenient living accommodation; great scope for N.H.I.; long lease; low rental; moderate price; full particulars on application; genuine inquiries only. 62/12, Office of this Paper.

LONDON, S.W.—Select Private Dispensing and Retail Business, with a little Optics, in a good-class locality; established about 30 years; overturn £1,200 last year (improving); profit over £400; rent and rates paid by sub-lets; 19 years' lease; price £750, no offers. 59/13, Office of this Paper.

NORTH-EASTERN COUNTY TOWN.—Old-established Cash Business; owner retiring; Optical connection; net profit over £500 per annum; comfortable house; purchase or lease. 60/14, Office of this Paper.

N.W. SUBURB.—Lock-up Pharmacy, situated in thickly populated neighbourhood, with no near opposition, returning £1,170 per annum; good Panel, with Kodak, Selo and Ucal; single-fronted Shop and Dispensary; inclusive rental, £52 per annum; would suit beginner or elderly Pharmacist; proprietor purchasing larger business; reasonable figure asked for early sale. 256/290, Office of this Paper.

BUSINESS for Sale in market town 40 miles from London, 1 hour's journey to town; nice shop and house; been a Chemist for large number of years; present proprietor bought it to put under management; the rent and outgoings are very low; low price wanted for quick sale; Qualified man could obtain good living. Write "C.," 60/16, Office of this Paper.

FIRST REASONABLE OFFER.—Herbalist and Drug Store for Disposal in East End of London; owner must sell; health reasons; good living accommodation; old-established, genuine business; suit Qualified; unlimited scope for Optical; easily worked for Unqualified; willing to teach; stock approx. £70; worth investigation. Write 61/35, Office of this Paper.

FORCED SALE.—Exceptional Opportunity to acquire East London Business; returns £17 weekly under management; may be purchased for half value of fittings and shop front; stock to suit purchaser; excellent position in thickly populated district; scope to treble takings under personal supervision; £200 will be accepted, plus stock required at valuation less 5 per cent. Apply 62/2, Office of this Paper.

FOR SALE.—Manufacturing Chemist's Business in the North of England; numerous lines; stock; debtors. Write Wilson & Smith, Chartered Accountants, Market Place, Ossett, Yorks.

HERBALIST'S Prescribing Business for disposal, main-road position; Shop, Consulting Room, Dispensary and Basement on long lease; rent, inclusive, £1 12s. 6d. weekly; suit Lady or Gentleman; business taught; genuine reason for disposal; net profit £4 weekly; price £50; no agents. Herbalist, 21 Church Street, Camberwell.

REAL Opportunity for a young Qualified; well-fitted and stocked Drug Store; busy main road; large Panel to be secured; several Doctors near; back room for Dispensary; good house (sublet); lease; flats replacing old property near and other local improvements; £275 secures; less than value stock and fixtures; sound reasons for selling. Write Anthem, 61/18, Office of this Paper.

SOUND Chemist Business for Disposal; main road, Essex suburb; turnover 1933 £2,348, 1934 £2,512, increasing; under management; £600 per annum net for owner-proprietor; gross profit £820; rent £100; valuable lease; N.H.I. 10,000 annually; Kodak Agency; no agents; write appointment to view. "Accountant," 104 Grove Road, Chadwell Heath, Essex.

£150 WILL secure Recently Opened Business in main street of important town in Wiltshire; small lock-up premises, recently decorated; rent £52, inclusive; value of stock and fixtures exceed price asked. 62/13, Office of this Paper.

BUSINESSES WANTED.

CHEMIST'S Business wanted in Monmouthshire, Worcestershire, Herefordshire or Gloucestershire; one that has been neglected would do if possibilities good and scope for improvement; cash waiting. Send full particulars. 61/6, Office of this Paper.

GENUINE Business required, with living accommodation; turnover £1,500-£2,000; would consider Partnership with a view to early succession; must bear strict investigation. Replies in confidence to 61/51, Office of this Paper.

SMALL good-class Business wanted, turnover £800-£1,500, with living accommodation and at least 10 years' lease; Midlands preferred or Home Counties; full settlement or some capital remain; strictest investigations will be made. Full particulars first letter. 61/220, Office of this Paper.

PREMISES FOR SALE.

25, DINGLE LANE, AIGBURTH, LIVERPOOL.—New Shop, with house accommodation, situate heart large housing development; freehold, £795. Pierce Williams, Builder, 141 Upper Warwick Street, Liverpool.

FREEHOLD Shop, with living accommodation, on main road connecting Woolwich and Eltham; first-class site for Chemist; no opposition; wonderful opportunity in view of development in neighbourhood. Enquiries to Feakes & Richards, Ltd., Brampton Road, Bexley Heath. Telephone: Woolwich 2078.

PREMISES TO LET.

SEVENOAKS.—Near station (recently electrified), with 20-minute service; good frontage main road in populous district; rent for shop and excellent modern living accommodation, £85 per annum; front fitted to tenant's choice. Apply Messrs. Cronk, Chartered Surveyors, Sevenoaks.

SEVENOAKS.—Three new shops in High Street, just completed; well built, attractive design; improving position; rent £125 to £135 per annum; fronts fitted; maisonette over if desired. Apply Messrs. Cronk, Chartered Surveyors, Sevenoaks.

SEVENOAKS, High Street.—Imposing new shopping parade, only one unlet, adjoining three multiples; suitable Chemist; long lease granted; £225 per annum, rising; self-contained maisonette over if required. Apply Messrs. Cronk, Chartered Surveyors, Sevenoaks.

SOUTHGATE, N.14.—Rapidly growing neighbourhood on Piccadilly Tube; High-class Shops available in best shopping centres; suitable for practically all trades; good opening for Chemist. Call, write or 'phone, stating requirements, to Claud W. Dennis, F.A.I., Estate Offices, next Southgate Tube Station, N.14. (Pal. 2033.)

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BIRMINGHAM (new district).—No opposition; unlimited scope. M.P.S. (Optician au advantage) invited to join Private Limited Company and control new shop, option obtained; approximately £300 investment secures half share in Manufacturing and Retail. Apply in the first instance Field & Co., 6 Corporation Street, Birmingham.

AGENCIES.

SOUTH AFRICA.—Advertiser, with sound connection Wholesale and Retail Chemists throughout South Africa, and full knowledge of country's requirements, is desirous of representing first-class houses; full knowledge of the trade; excellent opportunity for progressive houses to expand. Address "W. S.," P.O. Box 261, Port Elizabeth.

INFORMATION WANTED.

£5 FOR information, if acted upon, of good unopposed opening for a Chemist; country or seaside preferred but not essential. Radix, 61/180, Office of this Paper.

APARTMENTS.

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PATENTS.

THE Proprietors of British Patent No. 248375 relating to "Improvements in the Preparation and Treatment of Olefines" desire to enter into negotiations with one or more firms in Great Britain for the grant of Licences to manufacture under royalty. Inquiries to be addressed to D. Young & Co., Chartered Patent Agents, 11 and 12 Southampton Buildings, London, W.C.1.

APPRENTICES.

VACANCY for Youth as Articled Pupil. F. A. Spear, Pharmacist, 68 Old Town Street, Plymouth.

SITUATIONS OPEN.

RETAIL (HOME).

6s. for 40 words or less ; 6d. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

BIRMINGHAM.—Competent Assistant, qualification optional, required for Good-class Dispensing Business; must be capable of taking occasional charge; outdoors; no Sunday duty. Apply, with usual particulars, 61/44, Office of this Paper.

BRISTOL.—Qualified Manager required; salary, commission and house for married man. Apply, sending full particulars and photo (not returnable), to F. H. Moss, M.P.S., Shirehampton Road, Stoke Bishop, Bristol. Replies not answered in 7 days respectfully declined.

KENSINGTON.—An opening occurs to acquire an Intimate and Practical Knowledge of Dispensing and Family Business; candidate must be an enthusiastic and adaptable worker; no premium; nominal salary. State sex, age, etc., in own handwriting to 61/32, Office of this Paper.

LEEDS.—Vacancy will shortly occur for Unqualified Junior and Qualified or Unqualified Senior Assistant in middle-class business; must be quick and accurate Dispensers and good Counter-men; fullest particulars in first letter, treated in strictest confidence. 58/1, Office of this Paper.

LONDON, N.—Wanted, Smart Young Qualified Married man (about 30) for Branch Managership; house attached to shop; medium-class Retail. Apply, giving particulars of age, height, experience, salary required and photo if possible (to be returned), 60/3, Office of this Paper.

LONDON, W.1.—Wanted, Junior Qualified Assistant (Male) for Dispensing Business near Harley Street. Please give fullest particulars, including qualifications, experience, salary required and when disengaged. 61/54, Office of ths Paper.

LONDON COUNTY COUNCIL.—Pharmacists (men or women) holding Certificate of Pharmaceutical Society of Great Britain to act as Assistants to other Pharmacists required at (1) Bethnal Green Hospital, Cambridge Road, E.2; (2) Mile End Hospital, Bancroft Road, E.1; (3) St. Giles' Hospital, Brunswick Square, Camberwell, S.E.5; (4) St. Stephen's Hospital, 369 Fulham Road, S.W.10; and (5) Out-relief Dispensary, Boyson Road, Walworth, S.E.17. Salary £225—£10—£275. In case of women, marriage terminates contract of service. Forms of application (stamped addressed envelope necessary) obtainable from Medical Officer of Health (S.D.3a), County Hall, S.E.1, returnable by 2nd March. Canvassing disqualifies.

MIDLANDS.—Required in about a month, Male Assistant (25-35); must have pleasing personality and be well educated; mainly for Front Counter and Dispensing, first class, Light Retail and Private Dispensing; permanency if suitable; send full particulars of experience, Qualified or not, state salary required, photo if possible. 60/17, Office of this Paper.

ASSISTANT, Male, Qualified, for Good-class Family Business, South of London; chiefly Counter work; experience of or willing to learn Surgical Fitting; good salary to right man; state age and height; applications unanswered in 6 days respectfully declined. 61/55, Office of this Paper.

ASSISTANT, Unqualified, with an Optical Qualification; single; to assist in both capacities; for a Midland country town. State age and salary required to 62/8, Office of this Paper.

IN View of the recent extension of activities, Timothy Whites & Taylors, Ltd., require really capable Qualified Managers. Applicants must be energetic, live business men and well up in modern Pharmacy; good prospects and free removal. Apply, stating experience, age, salary required and full particulars, to Staff Manager, Timothy Whites & Taylors, Ltd., Chemists, Portsmouth.

LADY, Qualified; country shop; experienced; take charge; knowledge of Agricultural or Photographic work an advantage; state age, experience, references, salary (permanency, to live in); comfortable home; send portrait if available. 60/5, Office of this Paper.

LADY, Unqualified (under 30), required immediately for high-class Family Dispensing and Toilet Business near London; must be good Dispenser and have personality; permanency; salary £2 or near. Replies unanswered in 10 days respectfully declined. 256/293, Office of this Paper.

MANAGER (about 25), Qualified, single, required early March for branch in Surrey; permanency; High-class Family and Dispensing experience essential; salary £4 5s. and commission. Full particulars (interview if possible) to 60/1, Office of this Paper.

MR. R. WOOLBY BROOKE has a vacany for an unmarried Qualified Junior Assistant, Male. Applicants, preferably with London experience, should send full particulars by post to "B.," 38 Gloucester Road, S.W.7.

QUALIFIED Branch Manager wanted for residential district; living accommodation available if desired. Apply, stating age, height, experience and salary required, by letter to Mills, Chemist, 11 Mealhouse Brow, Stockport.

QUALIFIED Dispenser, M.P.S., either sex; evenings only; short distance from Manor Park Station, L.N.E.R. 61/38, Office of this Paper.

PHOTOGRAPHS, TESTIMONIALS, &c.

When answering advertisements in this section applicants are strongly advised not to send (unless specially requested) ORIGINAL TESTIMONIALS or VALUABLE PHOTOGRAPHS. As can be readily understood, when an advertiser receives from 100 to 150 replies the task of returning photographs, testimonials, &c., is one of some difficulty.

QUALIFIED Man, single, for management of small branch; good Counterman and Window-dresser and thoroughly reliable. Please state full particulars and send photo; vacancy also for Improver or Junior; East Kent. 61/30, Office of this Paper.

QUALIFIED Manager (between 25 and 35) required for the end of March; single; male; one used to country town business and Photography; state age, experience, salary required, when disengaged, and enclose photo. Dutton, Chemist, Nantwich.

QUALIFIED Superintendent; suit elderly retired or one otherwise incapacitated or requiring light post; good living accommodation; lady or gentleman. 62/5, Office of this Paper.

REQUIRED IMMEDIATELY.—Chemist and Chemist-Optician (about 30) as Managers, East Anglian market town; permanency to right men. Write, stating height, salary required, together with photograph and references, 56/7, Office of this Paper.

THERE will be an opening in a few weeks' time for a Young Qualified Gentleman (about 26) of best type, London experience, with a firm of High-class Chemists in London, W.; salary £5. Only those answering to above qualifications please apply. 61/46, Office of this Paper.

TOILET.—Lady Assistant wanted; good Saleswoman and fully experienced essential. Full particulars to R. W. Duck & Son, Ltd., Chemists, St. John's Square, Cardiff.

UNQUALIFIED Assistants required. Applicants must be well up in modern Pharmacy, energetic and live business men; good salary and commission; permanency. Apply, giving age, full particulars of experience and salary required, to Staff Manager, Timothy Whites & Taylors, Ltd., Chemists, Portsmouth.

UNQUALIFIED Assistant required; must be quick and accurate Dispenser; outdoors. Reply, stating age, height, experience and salary required, Cousins, Thomas & Sons, 63 Banbury Road, Oxford.

UNQUALIFIED Assistant, smart Window-dresser and Display man, required for city business. Please give full particulars and salary required in first instance. P.C.B. 153/37, Office of this Paper.

WANTED, by Gloucester Co-operative and Industrial Society, Ltd., smart Junior Assistant (not under 21); used to quick Counter trade and efficient Salesman; only smart men need apply. Applications, stating age, experience, and where references may be obtained, to reach the Office, Brunswick Road, Gloucester, not later than first post Tuesday morning, February 26th, envelope endorsed "Chemist Assistant."

WANTED.—Elderly Qualified Man as Superintendent; light dutics; moderate wages; London, N. 61/34, Office of this Paper.

YOUNG Qualified Assistant required in April for busy middle-class business, London, S.W. suburb; good Counter manner and Salesmanship essential; interview required, reasonable expenses will be paid; state age, experience and salary desired, and send copies of references. 57/1, Office of this Paper.

YOUNG Qualified Lady Assistant required; good Dispenser essential; experienced Counter, Toilet, etc.; good-class business. Apply, with full particulars, salary, references, etc., J. A. Bedingfield, M.P.S., South Street, Bridport, Dorset.

WHOLESALE.

LONDON.—First-class Representative required by well-known house Manufacturing Nationally-Advertised Proprietary Articles. Reply, giving fullest particulars in confidence, statiug age and salary required; selected candidates will be interviewed in London. 256/289, Office of this Paper.

ADVERTISING.—A prominent firm of London Manufacturing Chemists invites applications for a senior position on their staff from Chemists with full literary and advertising experience. A summary of career, with particulars of age, etc., should be given. 256/291, Office of this Paper.

A FINE opportunity for really live men already calling on Chemists and Hairdressers in Midlands, North Ireland and South West Counties areas, to carry additional well-advertised lines showing good profits to retailers; generous terms. Write at once, 256/286, Office of this Paper.

A LONDON firm requires at once representatives with established good-class connections amongst Chemists to introduce new medicinal preparation on attractive commission terms. All districts open; exclusive territory given. Reply in confidence to 61/16, Office of this Paper.

EXPERIENCED Tablet Maker and Coater required for firm of Manufacturing Chemists. Apply 256/274, Office of this Paper.

FOR best-class lines of Toilet Preparations, Bulk and Pack; old-established firm requires Representative with high-class connection among Hairdressers, Stores and Chemists. A really capable man with thorough business experience can be offered management and interest after demonstrating his worth on the road; trial requested where possible. Full particulars in confidence to P. L., c/o 256/288, Office of this Paper.

KEEN Representatives required, for London and district North of the Thames, to carry our Dyes ("Luton" Straw Hat Dyes, "Auroral" Cold Water Dyes, etc.); also our new and successful "Winner" Brand Pharmaceutical Products, Packed Goods, etc., in addition to non-clashing lines already handled; weekly expenses allowance and liberal commission; good opportunity for right men. Full particulars to Whitaker & Co. (Kendal), Ltd., Manufacturing Chemists, Kendal.

ONE of the leading firms of Manufacturing Chemists of the highest repute require a first-class Representative for Yorkshire, Lancashire and the Northern Counties; he must live on the territory, be well known to and in good standing with the trade, own a car and possess the highest credentials; remuneration, salary, commission, hotel expenses and car allowance. 256/292, Office of this Paper.

REMUNERATIVE Sideline for Travellers calling on Medical Men. 256/285, Office of this Paper.

TABLET Maker and Sugar Coater wanted for London Wholesale Druggists. 255/264, Office of this Paper.

TRAVELLER required by well-known house to develop existing territory; must be experienced in good-class Toilet Preparations, and have good Chemist connection Bristol, S.W. Counties and South Wales; car essential; salary, commission and expenses. Full details to 256/287, Office of this Paper.

YOUNG Man for Wholesale Warehouse; must have good knowledge of Patents; state age, experience and wages required. P.C.B. 153/33, Office of this Paper.

COLONIAL, INDIAN AND FOREIGN.

WANTED by Retail Chemist in Southern Rhodesia, Qualified Assistant (about 25-27; single), with practical knowledge of D. & P. work and Qualified in Optics; 4 years' agreement; commencing salary £25 per month. Write, stating qualifications, experience, etc., to Box 9448, Frost-Smith Advertising, 64 Finsbury Pavement, E.C.2.

SITUATIONS WANTED.

RETAIL (HOME).

2s. for 18 words or less ; 6d. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

A.A.—ASSISTANT (22), Unqualified, requires situation; locum or permanency; excellent experience; disengaged. "K.," 47 Aldbourne Road, W.12.

A.A.—EXPERIENCED Senior or Locum; tall, Unregistered; London, Provincial, Spa references; booking now; Photographics. "Mac," Wotton-under-Edge, Glos.

A.—QUALIFIED Man (25), energetic, good-class experience West End, country, seaside, desires permanency; Senior or Manager; excellent testimonials. McKerchar, King Street, Castle-Douglas.

A CAPABLE Assistant, experienced Dispenser, seeks permanency and responsible position; moderate salary; London or Provincial; tall, energetic; excellent references. "Juniper," Collingwood House, Upper Westbourne Terrace, W.2.

A PERMANENT progressive post, with view to future financial interest, wanted by Qualified (married), well experienced in good-class Dispensing business; London district or S.E. England preferred. 61/33, Office of this Paper.

ADVERTISER, giving up own business, Ph.C. (age 50), integrity and personality proved, wants job (not pharmacy) where knowledge of Retail useful; Southampton, Bournemouth area. 60/18, Office of this Paper.

ADVERTISER keen, capable, Qualified Optics, Pharmacy, seeks permanency; over 50; J.C.Q.O. 61/5, Office of this Paper.

ASSISTANT, Unqualified, excellent all-round experience, wishes change; permanency; city or busy town preferred; capable Manager. 62/4, Office of this Paper.

ASSISTANT, Unqualified; experienced Dispensing Counter, Photographics; part time or permanency, locum; disengaged. Write, C. G., 2A Yalding Road, Bermondsey, S.E.16.

ASSISTANT (24), Qualified, seeks change; Family Dispensing business preferred; good all-round experience, London and provincial; excellent references. 61/42, Office of this Paper.

ASSISTANT (23), Scot; expert Window-dresser, Dispenser, Salesman; Photographic, D. & P.; excellent references; City or S.E. preferred; 3 years London; hard worker. "Energy," 69 Maxted Road, Peckham, S.E.15.

ASSISTANT (28), Unqualified; Counter, Dispensing, Window-dressing, Photographics; 12 years' experience; good references; London or South Coast preferred. "E. A. P.," 23 South Avenue, North Bersted, Bognor Regis.

ASSISTANT (20), Unqualified; experienced Dispensing, Counter Window-dressing; capable, energetic; excellent references, salary 45s. Thompson, 89 Harrison Drive, Colne.

ASSISTANT (30), Unqualified, requires situation; all-round experience; tall; free. Lampord, 202 Uxbridge Road, Southall, Middlesex.

ASSISTANT (25), Unqualified; West End; all-round experience; good Window-dresser and Salesman. "C.," 44 Turnville Road, W.14.

AVAILABLE IMMEDIATELY.—Manager or locum; permanency preferred; exceptional all-round experience. All Hallows, Saxon Road, Salisbury.

DISPENSER Book-keeper, lady, requires post immediately; Hall and First Aid Certificates; experience with Doctors, Institutions and Chemists; interview; London. 62/7, Office of this Paper.

DISPENSER, Lady, Hall qualification, requires situation, Doctor or Chemist; Birmingham area; excellent refereuces. Hemming, "Somerset," Stanway Road, Shirley, near Birmingham.

ENERGETIC Assistant, Unqualified, tall; 30 years' experience in all capacities; 3½ years with present employer; not afraid of work; urgeut. Haigh, 2 Norman Villas, Hawkhurst, Kent.

HIGHLY-EXPERIENCED Pharmacist, with J.C.Q.O. Registration and comprehensive knowledge of Surgical Truss and Belt Fitting; large-scale buying; markets and general administration of Businesses; Manufacturing and Packing own proprietaries and Galenicals; seeks responsible post; his business career is open to any investigation of integrity. 62/15, Office of this Paper.

JUNIOR (20), 4 years' conscientious apprenticeship with Wholesale and Retail Chemist; efficient, diplomatic Salesman, Window Display, Dispensing, Photo Sales and D. & P.; Midlands preferred, not essential. Hanson, 3 Percy Street, Lincoln.

LADY Assistant (age 30) seeks post in West End to gain further experience in Toilets; references; interview. 61/31, Office of this Paper.

LADY Assistant, Unqualified; experienced; Drugs, Toilet, Perfumery. "Advertiser," 12 Hillcrest Road, Acton Hill, London, W.3.

LADY Dispenser, Hall, requires post; Doctor, Chemist, Institution; good Pharmacy experience; excellent references. Denny, 43 Heathdale Avenue, Hounslow.

LADY Dispenser requires post; Hall certificate; 4 years' experience with Dispensing Chemist. Hillier, Pengarth, St. Agnes, Cornwall.

LADY M.P.S. requires post; locum or part time; good general experience; free now. "Chemist," 5 Randolph Gardens, N.W.6.

LADY, tall, Hall certificate, seeks post with Doctor, Chemist or as Junior Dispenser in a Hospital; experienced. 60/20, Office of this Paper.

LOCUM, disengaged February 26; thoroughly competent; experienced; reliable; town or country; highest references. Chemicus, 56 Rudloe Road, Balham, S.W.12.

LOCUM, good all-round experience; any distance. B. S. Jones, M.P.S., 34 The Oval, Stafford.

M.P.S., MARRIED, seeks post where initiative and good all-round experience in Managing and Buying are required; Lancashire, West Riding or adjoining areas preferred. "G. W.," 20 Dronfield Road, Salford, 6.

M.P.S. (26), tall, Male, single; Dispensing, &c.; good references; now disengaged. Rooke, 49 Holland Road, W.14.

PHARMACIST, M.P.S. (60); Manager; active, obliging, reliable; requiring permanency; married; best references. 55 Essex Avenue, Slough.

NAMES AND ADDRESSES.

When sending advertisements for any of the sections in this Supplement, advertisers—as a guarantee of good faith and not necessarily for publication—should always give their names and addresses. It sometimes occurs that this rule is not followed and delay and disappointment ensue. Strict attention to this detail will be appreciated.

HARMACIST (27), 11 years' Loudon and Provincial experience, desires post as Manager with view to purchase; Midlands eferred. 61/22, Office of this Paper.

H.C. (25), married, provincial training, now in charge busy London Pharmacy, seeks similar post in Provinces; ex-llent references. 60/15, Office of this Paper.

UALIFIED Assistant, free March 4; thorough experience in Counter, Dispensing, Window-dressing and Photographic; quare trained. 61/36, Office of this Paper.

UALIFIED (47), single; experienced all branches; Dispensing preferred; moderate salary required. Harris, c/o 226 Wood-ouse Road, North Finchley, N.12.

UALIFIED (52), single, good all-round Provincial and West End experience, seeks a berth; Southampton or Bourne-outh area. 62/3, Office of this Paper.

UALIFIED (25; 5 ft. 10 in.) requires responsible position; good appearance and address; honest, trustworthy and dili-ent; experienced all branches; interview Sunday or Thursday. Chemist," 52 Southland Grove, London, S.W.18.

ECRETARY-DISPENSER (Hall) desires post; excellent testi-monials and experience; certificates: Shorthand, Typing, ook-keeping. "Dispenser," 27 Coronation Villas, Aylesbury.

OUTHEND-ON-SEA, ESSEX.—Resident (30) desires local posi-tion; salary £3; Dispensing, Windows, Photography, etc.; alesman; permanency. 61/24, Office of this Paper.

NQUALIFIED; experienced, quick and accurate Dispenser, Prescriber, Counter, Photographics; well recommended; free ny time. "J. J.," 199 Underhill Road, East Dulwich, S.E.22.

NQUALIFIED Junior (22) seeks situation; North Cheshire or North Lancashire preferred; 5 years' experience Counterman, ispensing, Photography, Window-dressing. Sandles, Whitefield venue, Newton-le-Willows, Lancashire.

NQUALIFIED Locum; permanent; disengaged; 20 years' ex-perience; all-round. S. Harris, Lone Pine, Bembridge, I.O.W.

OUNG Man (age 24) requires post as Dispenser with Doctor, Hospital or Institution; good experience in N.H.I. work. 52/9, Office of this Paper.

OUNG Qualified, 7 years' London medium-class, trustworthy, desires permanency; accessible from Ealing: locum con-idered; free immediately. "Antipyrin," 59/15, Office of this aper.

WHOLESALE.

AN Executive Appointment is sought by Advertiser with extensive experience in Marketing Nationally-advertised Proprietary, Toilet and Medicinal Lines; thoroughly conversant with modern Selling Methods, Control of Sales Staff, Sales Promotion Schemes, etc., and personally known to important Wholesale and Multiple Buyers; invaluable service can he given to any firm desiring sales expansion; moderate commencing salary accepted provided good prospects. Write Box B. 979, Basil Butler Co., Quality Court, Chancery Lane, W.C.1.

ENTERPRISING, Energetic Traveller (25); excellent connection London, Home Counties; 8 years' experience; car. P.C.B. 153/31, Office of this Paper.

EXPERIENCED Representative, first-class connection Wholesale and Retail Chemists, South Coast and Islands, requires position with progressive firm; salary and expenses. "J. T.," 46A Osborne Road, Broadstairs.

EXPERIENCED Representative, with first-class connection London and Provinces, desires position with progressive firm; own car; Retail experience. P.C.B. 153/32, Office of this Paper.

LADY (Minor) wishes post of responsibility with Wholesale and Manufacturing Chemists; good knowledge and experience of Analytical work. P.C.B. 153/36, Office of this Paper.

MEDICAL Propaganda, Sales, own car, for Pharmacist and Wife (36 and 28 years, respectively); 17 years' experience in high-class pharmacies, wish to connect up with two firms of repute where initiative and hard work mean progress; home or abroad. 53/1, Office of this Paper.

MEDICAL REPRESENTATION.—Qualified, experienced Young gentleman desires join first-class house; permanent and progressive; well educated, smart; Interviewing and Administrative ability; personality; knowledge of Therapeutics; familiar Modern Specialities; resident London. 61/26, Office of this Paper.

M.P.S. (39), worker, excellent references, desires post Representing established House; 25 years Retail Manager and Proprietor; some experience calling on Chemists; any territory; Selling; Propagauda; well connected one area. Apply 61/21, Office of this Paper.

PERFUMERY Representative, 13 years one house, desires change; all-round experience; Midlands or South Coast. 122 Old Oak Road, W.3.

PH.C., A.I.C., seeks progressive position; Manufacturing or Hospital; Manufacturing experience; moderate salary; free March 1. 59/9, Office of this Paper.

QUALIFIED Pharmacist (31), 13 years' Retail experience, wishes to go on road as Representative of reputable firm in Belfast and Northern Ireland; part or whole time. W. Browne, 17 Luxor Gardens, Bloomfield, Belfast.

REPRESENTATIVE, excellent references, 15 years' experience with progressive house; sound connection among all the leading Wholesale and Retail Chemists in Scotland and North of England; desires salaried position. 61/52, Office of this Paper.

REPRESENTATIVE seeks Additional Established Line for Chemists; South London, Essex and S.E. Counties; good connection. N. Izod, 69 Friern Road, London, S.E.22.

TRAVELLER with Pharmaceutical experience would like Speciality Line on commission; South and West Coast; own car. Apply 59/17, Office of this Paper.

YOUNG Man (27), with good abilities and knowledge of Laboratory Work, including Creams, Cosmetics, etc., desires change and seeks position with prospects. 256/275, Office of this Paper.

FOR SALE.

(Articles to the value of £5-£50.)

CASH REGISTER.—"Snip"; recent "National" model; in perfect order; gives total of all cash and prints all details; modern finish; compact design. Write R. Hunt, "Dalemain," 112 Pickhurst Lane, Hayes, Kent.

5½ DOZEN 15-grain Tubes Johnson's Chloride of Gold (maker's price, 46s. per dozen) at 28s. 6d. per dozen, carriage paid. Write John Thompson, Ltd., 27/35 Duke Street, Liverpool.

MISCELLANEOUS.

CHEMISTS' FITTINGS IN OAK OR MAHOGANY.—Real Bargains; 1 of Drug Fitting, 8-ft. Wall Case, 8-ft. Glass-fronted Serving Counter, 6-ft. Dispensing Screen, 2 4-ft. Nests Counter Drawers; rough sketches free. Send to GEORGE COOK, The Working Shopfitter, 27 Macclesfield Street, E.C.1. 'Phone: Clerk. 5371.

CHEMISTS' FITTINGS.—We hold an immense stock of Drug Fittings, Dispensing Screens, Glass-fronted Counters, Perfumery Cases, Nests of Drawers, Wall Cases, Silent Salesmen, Upright and Flat Counter Cases, Plate Glass Counters, Cash Tills, Display Stands and Glass Shelves, etc., at competitive prices. F. MAUND & E. BERG (SHOWCASES), LTD., Shop Fitters and Shop Front Builders, 175/9 Old Street, London, E.C.1.

FOR SALE.—Gardner Fine Powder Dresser, with two C.I. Stands for same; also Iron Edge Runner Mill, 44 in. diameter, Pan Runners 21 x 6 in., under-driven, fast and loose pulleys. 256/279, Office of this Paper.

FOR SALE.—Gas-heated Batch Drying Machine, with gear, fast and loose pulleys; also Ball Grinding Mill. 256/278, Office of this Paper.

Price lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

CLEAR OUT—your Old or Damaged Stock of Photo Goods.
Why keep them any longer? Turn them into CASH.
I GIVE BEST PRICES for Old Films (damaged, fogged or expired dates); Packet Papers. Cards (any sizes). Old Photo Goods or Cameras. Bromide Papers. Plates (all sizes, all makes). Send any goods in the photo line. I buy all, good or bad. Cash per return. A good price for all Cameras. Send them along.
S. E. HACKETT, 23 July Road, Liverpool

FOR SALE.—No. 2 size Granite End Runner Mill; with fast and loose pulleys; in good condition; very little used. 256/282, Office of this Paper.

FOR SALE.—Sheet Steel Filling Hopper, on legs, for filling cartons; also small Vertical Cone Grinding Mill, with flywheel and handle. 256/281, Office of this Paper.

FOR SALE.—Sifter and Mixer, gear-driven type, very little used; also small Horizontal Cone Grinding Mill, with fast and loose pulleys. 256/280, Office of this Paper.

FOR SALE.—Steam Jacketed Copper Pan, with Stirring Gear; fast and loose pulleys. 256/276, Office of this Paper.

FOR SALE.—Steam Jacketed Drying and Mixing Machine, batch type; also 9 x 16 in. Triple Roller Mill; may be inspected. 256/283, Office of this Paper.

FOR SALE.—Triple Granite Roller Mill, with granite rolls 6 x 12 in.; also small Breaking or Kibbling Mill, with rolls 5 x 5 in. 256/277, Office of this Paper.

SECOND-HAND Pharmacy Fittings for Sale at Keen Prices, including Modern Silent Salesmen and All-Glass Counters. Send requirements or call at PHILIP JOSEPHS & SONS, LTD., 90/92 St. John Street, Clerkenwell, E.C.1. Telephone: Clerkenwell 2191. "Pharmacy Fitters for over a Century."

WANTED.—Second-hand Powder Mixer; horizontal trough type; Gardner or similar make; full particulars as to condition and lowest price. 256/284, Office of this Paper.

LIMITED LIABILITY COMPANY REGISTRATIONS
The prudent man makes his position, and that of his dependents, secure by Limiting his Liability. Costs are not high if the work is placed with
THOS. WATTS & WALKER LTD.
who effect registrations North, South, East and West, and you are invited to communicate with them.
VALUABLE QUALIFIED EXPERIENCE TO DRAW UPON.
INTERESTS OF CLIENTS ALWAYS UPPERMOST.
ADVICE FREE AND PROMPTLY GIVEN.
SIMPLICITY IN PROCEDURE. GUARANTEED SATISFACTION.
Address: Oxford Chambers, 9 Oxford St., Manchester, 1. 'Phone: Central 6269

EXCHANGE COLUMN.

WANTED.

CASH Register; "National" preferred; must be simple to opera and in good working order. Write P.C.B. 153/19, Office this Paper.

DISPENSING Scales; state full details and price; must be good condition. Edwards, Chemist, Ipswich.

SMALL Water Still. Full particulars to "Midlands," 60/12, Offi of this Paper.

THE SUPPLY OF SUPPLEMENTS

On receipt of addressed Post Offic Wrappers (not more than six at a time stamped 1d. the Chemist and Druggis Supplement will be forwarded without cost

LOOSE STAMPS WILL NOT BE ACCEPTE

If wrappers bear a halfpenny stamp only, post delivery may be delayed.

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An attractively written book, dealing with the plants mentioned in the examination syllabus of the various pharmaceutical examining bodies. A useful gift for apprentices and assistants who have not passed the qualifying examinations.
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Chemists interested in veterinary practice will find the work indispensable, as it deals with the ailments of horses, cattle, sheep, pigs, dogs, and poultry, and the remedies that can be supplied. New edition 1930 (Eighth) brings this book thoroughly up to date.
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This is a concise guide to chemists commencing and carrying on a photographic department.
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Now in its sixth edition (March, 1931). It has been carefully revised by an experienced medical practitioner and parts of the book have been rewritten.
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In two vols., maroon cloth, comprising 770 pages.
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The object of this book is to give chemists exactly the information they want on the subject. The book was written by a pharmacist who was an expert in this work, and has been revised by a medical practitioner and lecturer of long experience in clinical analysis. (Fourth Edition.) Contains 97 pages.
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THE CHEMISTS' DICTIONARY OF MEDICAL TERMS.
A small book which explains the meaning of medical terms as to which customers often inquire from chemists. In addition to concise definitions of these technical terms, notes are given on the treatment of the more important ailments.
Price 3s. 6d., *by post* 3s. 8d.

The "C. & D." PRICE LIST FORMULARY, "P.L.F."
All users of the *C. & D.* Retail Dispensing Price List require a copy of this Formulary. It brings together the formulas for unofficial preparations, the prices of which are quoted in the Price List. It is a choice collection of good formulas for articles in everyday request by the public. *Price* 2s. 6d. *post free.*

Published by **THE CHEMIST AND DRUGGIST**, 28 Essex Street, LONDON, W.C.2
Branch Offices: Manchester and Sheffield, England. Glasgow, Scotland. Paris, France. Melbourne and Sydney, Australia. Auckland, New Zealand.

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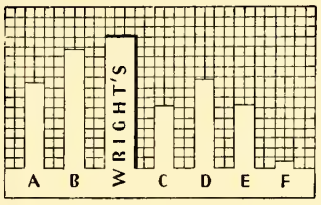

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